City Council Chamber
1515 6th Street, Coachella, California
(760) 398-3502 ◆ www.coachella.org

AGENDA

OF A REGULAR MEETING
OF THE
CITY OF COACHELLA
PLANNING COMMISSION

June 04, 2025
6:00 PM

In-Person Meeting Location: City Council Chamber 1515 6th Street, Coachella, CA	**If you would like to attend the meeting via Zoom, here is the link:** https://us02web.zoom.us/j/84544257915?pwd=VTdHWitpYVdOUk1NQW8vZ1pqUm0zQT09 Or One tap mobile : +16694449171,,84544257915#,,,,*380084# Or Telephone: US: +1 669 900 6833 **Webinar ID: 845 4425 7915** **Passcode: 380084** **Spanish:** El idioma español está disponible en Zoom seleccionado la opción en la parte de abajo de la pantalla

- Public comments may be received by 12:00 P.M. **either in person, via email, telephonically, or via Zoom** with a limit of **250 words, or three minutes:**
  - **In Real Time:**

    If participating in real time via Zoom or phone, during the Public Comment Period, use the **"raise hand"** function on your computer, or when using a phone, participants can raise their hand by pressing *9 on the keypad.
  - **In Writing:**

    Written comments may be submitted to the City Council electronically via email to **kreif@coachella.org**. Transmittal **prior to the start** of the meeting is required. All written comments received will be forwarded to the City Council and entered into the record.

- The **live stream** of the meeting may be **viewed online** by accessing the city's website at **www.coachella.org**, and clicking on the "**Watch Council Meetings**" tab located on the home page, and then clicking on the "live" button.

CALL TO ORDER:

PLEDGE OF ALLEGIANCE:

ROLL CALL:

APPROVAL OF AGENDA:

"At this time the Commission may announce any items being pulled from the agenda or continued to another date or request the moving of an item on the agenda."

APPROVAL OF THE MINUTES:

1. Planning Commission Minutes - May 7, 2025

2. Planning Commission Minutes - May 21, 2025

WRITTEN COMMUNICATIONS:

PUBLIC COMMENTS (NON-AGENDA ITEMS):

"The public may address the Commission on any item of interest to the public that is not on the agenda, but is within the subject matter jurisdiction thereof. Please limit your comments to three (3) minutes."

REPORTS AND REQUESTS:

NON-HEARING ITEMS:

PUBLIC HEARING CALENDAR (QUASI-JUDICIAL):

3. AR 25-02 CUP 389 EA 25-01 Artmec Expansion Master Plan for the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008) and the determination that the project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration. Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins. Phase 3 includes a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel. Applicant: Armtec Defense Products Co.

4. Resolution No. PC 2025-09: Request for Conditional Approval of Conditional Use Permit No. 391 Taqueria Allende 2 – Type 41 ABC License Request for conditional approval for Conditional Use Permit No. 391 to allow liquor sales (ABC Type 41, On-Sale Beer & Wine – Eating Place) within an existing 1,680 square-foot restaurant located at 83103 Avenue 48 Ste 1A (Assessor Parcel Number 612-220-010) and determining that the proposed project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15301 (Existing Facilities). Applicant: Teresa Leon Huerta

INFORMATIONAL:

ADJOURNMENT:

Complete Agenda Packets are available for public inspection at the City Clerk's Office at 53-462 Enterprise Way, Coachella, California, and on the City's website www.coachella.org.

THIS MEETING IS ACCESSIBLE TO PERSONS WITH DISABILITIES

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AGENDA

DE UNA REUNIÓN DE LA

CIUDAD DE COACHELLA
COMISIÓN DE PLANIFICACIÓN

4 de Junio de 2025
6:00 PM

Lugar de la reunión en persona: Cámara del Ayuntamiento 1515 6th Street, Coachella, CA	**Si desea asistir a la reunión a través de Zoom, aquí está el enlace:** **https://us02web.zoom.us/j/84544257915?pwd=VTdHWitpYVdOUk1NQW8vZ1pqUm0zQT09** **O one tap mobile: Us: +16699006833,, 84544257915#,,,,* 380084# US** **O teléfono:** **Us: +1 669 900 6833** **ID del webinar: 845 4425 7915** **Código de acceso: 380084** **Español: El idioma español está disponible en Zoom seleccionado la opción en la parte de abajo de la pantalla**

Los comentarios públicos se pueden recibir por correo electrónico, por teléfono o por zoom con un límite de 250 palabras o tres minutos:

En vivo:
Si participa en vivo a través de zoom o teléfono, durante el período de comentarios públicos, use la función "levantar la mano" en su computadora, o cuando use un teléfono, los participantes pueden levantar la mano presionando *9 en el teclado.

Por escrito:
Los comentarios escritos pueden enviarse a la comisión electrónicamente por correo electrónico a kreif@coachella.org. Se requiere la transmisión antes del inicio de la reunión. Todos los comentarios escritos recibidos serán enviados a la comisión e ingresados en el registro.

SI LO DESEA, PUEDE DEJAR UN MENSAJE EN EL (760) 398-3102, EXTENSIÓN 122, ANTES DE LAS 4:00 P.M. DEL DÍA DE LA REUNIÓ

LLAMADO AL ORDEN:

JURAMENTO A LA BANDERA:

PASE DE LISTA:

APROBACIÓN DE LA

AGENDA:

"En este momento, la Comisión puede anunciar cualquier punto que está siendo retirado de la agenda o continuado a otra fecha o solicitar el traslado de un punto de la agenda".

APROBACION DE LAS ACTAS:

1. BORRADOR DE LAS ACTAS DE LA COMISION DE PLANIFICACION – 7 DE MAYO DE 2025.

2. BORRADOR DE LAS ACTAS DE LA COMISION DE PLANIFICACION – 21 DE MAYO DE 2025.

COMUNICACIONES ESCRITAS:

COMENTARIOS DEL PÚBLICO (PUNTOS QUE NO ESTÁN EN LA AGENDA):

"El público puede dirigirse a la Comisión sobre cualquier tema de interés para el público que no esté en la agenda, pero que esté dentro de la jurisdicción de la materia de la misma. Por favor limite sus comentarios a tres (3) minutos".

INFORMES Y SOLICITUDES:

SESIÓN DE ESTUDIO

PUNTOS QUE NO SON DE AUDIENCIA:

CALENDARIO DE AUDIENCIAS PÚBLICAS (CUASI-JUDICIAL):

3. Resolución No. PC 2025-10: Solicitud de Revisión Arquitectónica No. 25-02, Permiso de Uso Condicional No. 389 y Evaluación Ambiental No. 25-01 Expansión de las Fases 2 y 3 del Plan Maestro de Armtec Solicitud para la revisión del diseño de la Fase 2 y la evaluación ambiental de las Fases 2 y 3 del Plan Maestro de Expansión de Armtec, ubicado en 85901 Avenue 53 (Números de Parcela Catastral: 778-420-013 y 778-390-008), y determinación de que el proyecto cumple con la Sección 15073 de las Directrices de la Ley de Calidad Ambiental de California (CEQA) – Revisión Pública de una Declaración Negativa o Declaración Negativa Mitigada Propuesta. La Fase 2 incluye la construcción de un nuevo almacén de 15,000 pies cuadrados, un área de espera para camiones de aproximadamente 73,200 pies cuadrados, una cuenca de retención en la parcela norte, así como una nueva instalación de investigación y desarrollo (I+D) y producción de 3,000 pies cuadrados y dos cuencas de retención adicionales. La Fase 3 contempla la construcción de una nueva instalación de producción de 15,000 pies cuadrados, otro almacén de 15,000 pies cuadrados, dos estructuras de almacenamiento de 900 pies cuadrados cada una y una ampliación de 6,000 pies cuadrados de un almacén existente, todo ubicado en la parcela sur. Solicitante: Armtec Defense Products Co.

4. Resolución No. PC 2025-09: Solicitud de Aprobación Condicional del Permiso de Uso Condicional No. 391 Taquería Allende 2 – Licencia ABC Tipo 41 – Solicitud de aprobación condicional del Permiso de Uso Condicional No. 391 para permitir la venta de bebidas alcohólicas (Licencia ABC Tipo 41: Cerveza y Vino para Consumo en el Sitio – Establecimiento de Comida) en un restaurante existente de 1,680 pies cuadrados, ubicado en 83103 Avenue 48, Suite 1A (Número de Parcela Catastral 612-220-010), y determinación de que el proyecto propuesto cumple con la Sección 15301 (Instalaciones Existentes) de las Directrices de la Ley de Calidad Ambiental de California (CEQA). Solicitante: Teresa León Huerta

INFORMATIVO:

SE SUSPENDE LA SESIÓN:

Los paquetes completos de la agenda están disponibles para inspección pública en el Departamento de Servicios de Desarrollo en 53-990 Enterprise Way, Coachella, California, y en el sitio web de la ciudad www.coachella.org.

ESTA REUNIÓN ES ACCESIBLE PARA PERSONAS CON DISCAPACIDA

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MINUTES

OF A REGULAR MEETING
OF THE
CITY OF COACHELLA
PLANNING COMMISSION

May 7, 2025
6:00 PM

If you would like to attend the meeting via zoom, here is the link:

https://us02web.zoom.us/j/84544257915?pwd=VTdHWitpYVdOUk1NQW8vZ1pqUm0zQT09
Or one tap mobile :
Us: +16699006833,, 84544257915#,,,,* 380084# US
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CALL TO ORDER: 6:01 PM

PLEDGE OF ALLEGIANCE:

VICE CHAIRPERSON FONSECA

ROLL CALL:

Commissioners Present: Chairperson Murillo, Vice Chairperson Fonseca, Alternate Commissioner Caballero.

Commissioners Absent: Commissioner Lara.

Staff Present: *Kendra Reif, Principal Planner
*Adrian Moreno, Associate Planner
*Jesus Medina, Information Technology Technician
*Jason Stevens, Information Technology Manager

APPROVAL OF AGENDA:

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IT WAS MOVED BY VICE CHAIRPERSON FONSECA AND SECONDED BY ALTERNATE COMMISSIONER CABALLERO TO APPROVE THE AGENDA.

Approved by the following roll call vote:
AYES: Vice Chairperson Fonseca, Chairperson Murillo, Alternate Commissioner Caballero.
NOES: None.
ABSTAIN: None.
ABSENT: Commissioner Lara.

APPROVAL OF THE MINUTES:

1. Planning Commission Meeting Minutes April 2, 20255.

IT WAS MOVED BY VICE CHAIRPERSON FONSECA AND SECONDED BY ALTERNATE COMMISSIONER CABALLERO TO APPROVE THE MEETING MINUTES.

Approved by the following roll call vote:
AYES: Chairperson Murillo, Vice Chairperson Fonseca, Alternate Commissioner Caballero,
NOES: None.
ABSTAIN: None.
ABSENT: Commissioner Lara.

WRITTEN COMMUNICATIONS:

None.

PUBLIC COMMENTS (NON-AGENDA ITEMS):

"The public may address the Commission on any item of interest to the public that is not on the agenda, but is within the subject matter jurisdiction thereof. Please limit your comments to three (3) minutes."

Public Comments Opened at 6:03 pm by Chair Murillo.

Public Comments Closed at 6:03 pm by Chair Murillo.

REPORTS AND REQUESTS:

NONE.

NON-HEARING ITEMS:

2. 53800 Polk Street Landscape Plan for the approval of a revised landscape plan for 53800 Polk Street and determining that the proposed project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15301- Existing Facilities. Applicant: Peter Solomon.

Adrian Moreno, Associate Planner, gave a brief presentation for the item. A copy of the presentation is on file in the Planning Division.

Public Hearing Opened at 6:13 pm by Chair Murillo.

Peter Solomon, Applicant, notified that the property is under new ownership of Peter Solomon and no longer under the name of Zinc Farms Landscape Plan.

Michael Solomon, applicant son, made himself available and provided comments.

Public Hearing Closed at 6:14 pm by Chair Murillo.

IT WAS MOVED BY ALTERNATE COMMISSIONER CABALLERO AND SECONDED BY CHAIRPERSON FONSECA TO APPROVED THE REVISED 53800 POLK STREET LANDSCAPE PLAN WITH THE CORRECTIONS AMMANDED BY STAFF.

Approved by the following roll call vote:
AYES: Chairperson Murillo, Vice Chairperson Fonseca, Alternate Commissioner Caballero.
NOES: None.
ABSTAIN: None.
ABSENT: Commissioner Lara.

PUBLIC HEARING CALENDAR (QUASI-JUDICIAL):

3. Architectural Review No. 25-01 Variance No. 25-02 Variance 25-03 Ocean Mist Signage a request for Architectural Review Approval for (4) directional signs, (1) monument sign, and (1) main building sign at the Ocean Mist Farm property and a design variance for (1) monument sign and a location variance for two directional signs to be within the public Right of Way at Enterprise Way at 52300 Enterprise Way (Assessor Parcel Number 763-131-029 and 763-131-088) and determining that the proposed project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15311. Applicant: Daniel Martinez

Adrian Moreno, Associate Planner, gave a brief presentation for the item. A copy of the presentation is on file in the Planning Division
Public Hearing Opened at 6:30 pm by Chair Murillo.

Daniel Martinez, Applicant, made himself available and provided comments.

Public Hearing Closed at 6:32 pm by Chair Murillo.

IT WAS MOVED BY COMMISSIONER CABALLERO AND SECOND BY CHAIR MURILLO TO APPROVE THE CONTINUATION OF RESOLUTION NO. PC 2025-06 ARCHITECTURAL REVIEW NO. 25-01 VARIANCE NO. 25-02 TO THE PLANNING COMMISSION MEETING ON JUNE 18, 2025. AT 6:00 PM ON 1515 SIXTH STREET COACHELL CA 92236.

IT WAS MOVED BY COMMISSIONER CABALLERO AND SECOND BY CHAIR MURILLO TO APPROVE RESOLUTIO NO. 2025-07 VARIANCE NO. 25-03.

Approved by the following roll call vote:
AYES: Chairperson Murillo, Vice Chairperson Fonseca, Commissioner Caballero.
NOES: None.
ABSTAIN: None.
ABSENT: Commissioner Lara.

INFORMATIONAL:

Planning Commission Secretary Updates:

ADJOURNMENT: 6:55 PM

Respectfully Submitted by,

Kendra Reif
Planning Commission Secretary

Complete Agenda Packets are available for public inspection in the Development Services Department at 53-990 Enterprise Way, Coachella, California, and on the City's website www.coachella.org.

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MINUTES

OF A REGULAR MEETING
OF THE
CITY OF COACHELLA
PLANNING COMMISSION

May 21, 2025
6:00 PM

If you would like to attend the meeting via zoom, here is the link:

https://us02web.zoom.us/j/84544257915?pwd=VTdHWitpYVdOUk1NQW8vZ1pqUm0zQT09
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In writing:

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IF YOU WISH, YOU MAY LEAVE A MESSAGE AT (760) 398-3502, EXTENSION 114, BEFORE 4:00 P.M. ON THE DAY OF THE MEETING

CALL TO ORDER: 6:03 PM

PLEDGE OF ALLEGIANCE:

COMMISSIONER LARA

ROLL CALL:

Commissioners Present: Vice Chairperson Fonseca, Commissioner Lara, Alternate Commissioner Caballero.

Commissioners Absent: Chairperson Murillo

Staff Present: *Kendra Reif, Principal Planner.
*Adrian Moreno, Associate Planner.
*Vanessa Sanchez, Planning Technician.
*Jason Stevens, Information Technology Manager.

APPROVAL OF AGENDA:

"At this time the Commission may announce any items being pulled from the agenda or continued to another date or request the moving of an item on the agenda."

IT WAS MOVED BY ALTERNATE COMMISSIONER CABALLERO AND SECONDED BY COMMISSIONER LARA TO APPROVE THE AGENDA.

Approved by the following roll call vote:
AYES: Vice Chairperson Fonseca, Commissioner Lara, Alternate Commissioner Caballero.
NOES: None.
ABSTAIN: None.
ABSENT: Chairperson Murillo

APPROVAL OF THE MINUTES:

1. Planning Commission Meeting Minutes May 7, 20255.
   Minutes will be continued to our next Planning Commission meeting on June 4, 2025 due to a lack of quorum for commissioners present at the May 7, 2025 meeting.

WRITTEN COMMUNICATIONS:

None.

PUBLIC COMMENTS (NON-AGENDA ITEMS):

"The public may address the Commission on any item of interest to the public that is not on the agenda, but is within the subject matter jurisdiction thereof. Please limit your comments to three (3) minutes."

Public Comments Opened at 6:06 pm by Vice Chairperson Fonseca.

Public Comments Closed at 6:06 pm by Vice Chairperson Fonseca.

REPORTS AND REQUESTS:

NONE.

NON-HEARING ITEMS:

NONE.

PUBLIC HEARING CALENDAR (QUASI-JUDICIAL):

2. CUP 253 (Modification) - Los Compadres Thrift Store Discount Boutique a request for a Conditional Use Permit modification for a thrift store discount boutique in an existing multi-tenant commercial building located at 1030 6th Street, Units 2, 3, and 4 (Assessor Parcel Number 778-081-002) and determining that the proposed project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15301. Applicant: Guadalupe Nano.

   Vanessa Sanchez, Planning Technician, gave a brief presentation for the item. A copy of the presentation is on file in the Planning Division

   Public Hearing Opened at 6:24 pm by Vice Chairperson Fonseca.

   Guadalupe Nano, Applicant, made himself available and provided comments.

   Public Hearing Closed at 6:32 pm by Vice Chairperson Fonseca.

IT WAS MOVED BY COMMISSIONER LARA AND SECOND BY ALTERNATE COMMISSIONER CABALLERO TO ADDOPT RESOLUTION NO. PC 2025-08 APPROVING CUP 253 WITH THE FINFINGS AND CONDITIONS AS RECOMMENDED BY STAFF WITH MODIFICATIONS AS PROPPOSED BY THE PLANNING COMMISSION.

Approved by the following roll call vote:
AYES:, Vice Chairperson Fonseca, Commissioner Lara, Commissioner Caballero.
NOES: None.
ABSTAIN: None.
ABSENT: Chairperson Murillo,

INFORMATIONAL:

Planning Commission Secretary Updates:

- Applications for consideration to fill two Planning Commission vacancies, were continued to the next City Council meeting on May 28, 2025.

- Attended ICSC conference in Las Vegas with other staff members very informative, to bring different commercial businesses to our city.

ADJOURNMENT: 6:47 PM

Respectfully Submitted by,

Kendra Reif
Planning Commission Secretary

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THIS MEETING IS ACCESSIBLE TO PERSONS WITH DISABILITIES

STAFF REPORT
6/4/2025

TO: Planning Commission Chair and Commissioners

FROM: Adrian Moreno, Associate Planner

SUBJECT: AR 25-02 CUP 389 EA 25-01 Artmec Expansion Master Plan for the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008) and the determination that the project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration. Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins. Phase 3 includes a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel. Applicant: Armtec Defense Products Co.

STAFF RECOMMENDATION:

Staff recommends that the Planning Commission approve Resolution No. PC2025-10 approving the Architectural Review No. 25-02, Conditional Use Permit No. 389, and Environmental Assessment No. 25-01 approving the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008).

BACKGROUND:

On February 29, 2024, Phase 1 of the Armtec Expansion Master Plan was approved for the construction of (1) ground mount solar grid on the northern parcel (APN: 778-420-013) and (7) solar canopies on the southern parcel (APN: 778-390-008). Phase 1 construction is expected to complete construction before the end of June. On February 10, 2025, the applicant submitted a planning application for the proposed project.



DISCUSSION/ANALYSIS:

The surrounding land uses and zoning designations are as follows:

North: Rancho Cielo residential community (S-N, Suburban Neighborhood).
South: Farm land (U-E Urban Employment).
East: Vacant land, Castro Mobile Home Park, and vacant mini-market (M-S, Manufacturing Services, R-MH Mobile Home, U-E Urban Employment)
West: Soccer fields and farm land (U-E Urban Employment).

Master Plan

The exhibit below shows the proposed master plan for Phases 1 – 3 of the proposed Armtec Expansion Master Plan. Phase 1 includes the construction of (1) ground mount solar grid on the northern parcel (APN: 778-420-013) and (7) solar canopies on the southern parcel (APN: 778-390-008). Phase 1 is not part of the proposed project, and was approved on February 29, 2024.

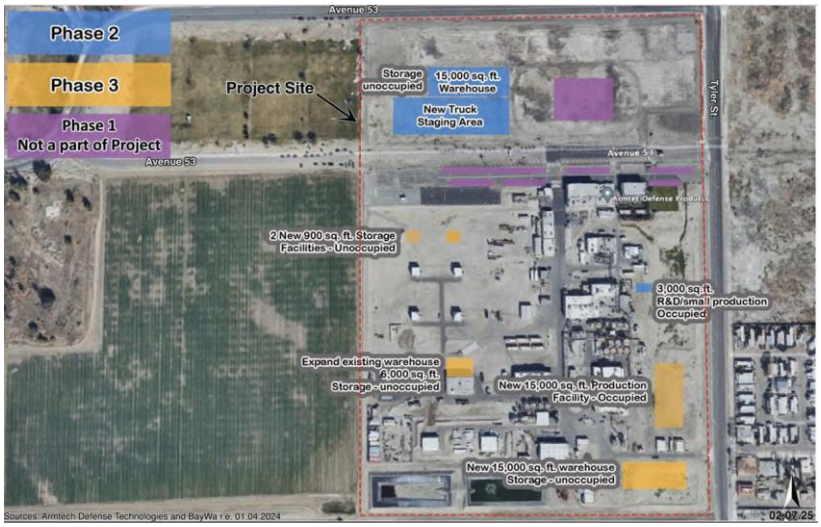


Figure 1 - Armtec Expansion Master Plan (Phase 1 – 3)

Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and 9,900 SF retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins totaling 65,750 SF on the southern parcel. Phase 2 includes an Architectural Review (AR 25-02) and a Conditional Use Permit (CUP 389) to allow the storage warehouse building and truck staging area on the northern parcel zoned U-E Urban Employment and to allow the R&D and production facility on the southern parcel zoned M-H Heavy Industrial.

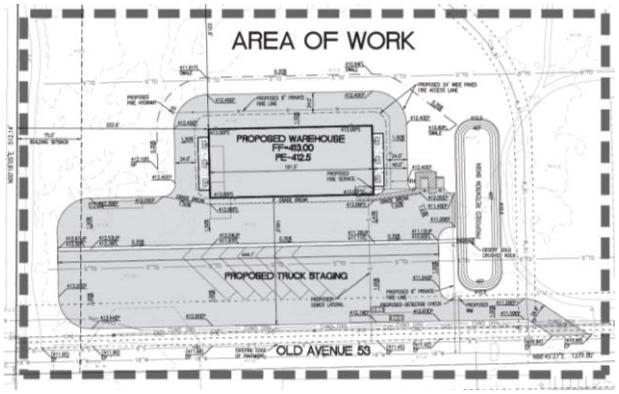


Figure 2 - Phase 2 Northern Parcel

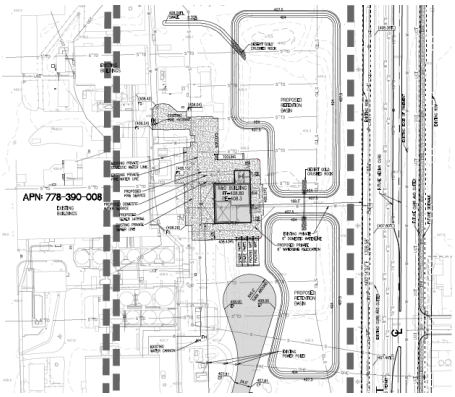


Figure 3 - Phase 2 Southern Parcel

Phase 3 includes the construction of a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel. The timing for construction of Phase 3 is currently undetermined. Future site plans for the Phase 3 portion of the Project will be required to undergo a separate Architectural Review prior to approval, and a CUP will be required to allow the production facility on the southern parcel zoned M-H.

Phase 2 Facilities Operation:

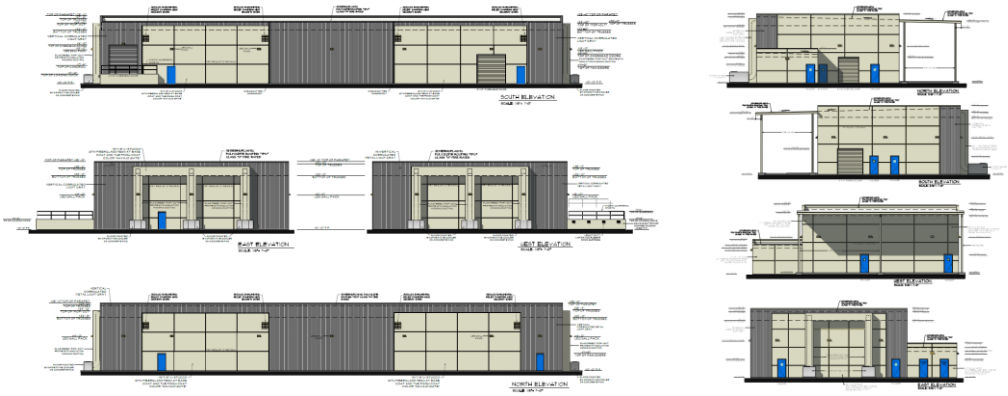
Storage Warehouses: The storage warehouses are designed to house finished goods which consist of a Hazard Class 1.4 explosive material, which present no significant blast hazard. These are explosives that contain no more than 0.9 oz. (25 g) of a detonating material and where the effects are mainly confined to the package, and no projection fragments of substantial size or range are expected. Specifically, these warehouses will store empty combustible cartridge cases of various sizes with no propellant. The storage warehouse will remain unoccupied except when goods are moved in and out of the structure.

R&D Facilities: The R&D facility will be used to develop small quantities of combustible materials in various configurations. Hazardous materials will consist primarily of nitro-cellulose. No hazardous materials will be stored in the building. Occupancy of the Phase 2, 3,000 SF building will be strictly regulated, and occupancy is expected to be limited to approximately 8 persons. Ancillary storage containers measuring 40’ x 8’ x 8’ may be placed in proximity to the Phase 2 R&D facility, however these storage containers would be for non-hazardous materials including tooling, spare parts, and packing materials.

Materials placed in the warehouses will be finished goods produced at the onsite production facilities. Finished materials are placed in approved cardboard containers, boxes, and placed on a pallet. These pallets are then transferred from the production buildings located on the south lot via forklift. The forklift travels within the Project site avoiding public access and exposure. The physical security of proposed facilities and access points shall be in accordance with the Department of Defense Manual (DoDM 5100.76) specific to AA&E security (Arms, Ammunition, and Explosives). Finished goods are transferred from the warehouse to commercial carriers for final delivery to the customer. The project would be required to comply with federal regulations that govern the handling and transportation of these materials.

Architecture

The project includes the Architectural review of the proposed 15,000 SF storage warehouse on the northern parcel at 28-foot height, and the proposed 3,000 SF research and development (R&D) and production facility on the southern parcel at 26-foot height. The proposed buildings provide a "Navajo White" traditional sand stucco finish with light grey vertical corrugated metal siding at the exterior façade elevations. Mechanical equipment will be ground-mounted and screened by 6-foot-high block walls. The research and development facility provides an attached canopy structure at the rear of the building not facing the public right-of-way. Exterior lighting is provided by small wall-mount fixtures.



Landscaping

Phase 1

Phase 1 construction included the completion of off-site landscape improvements on the northern portion of the northern parcel at APN: 778-420-013. Landscape included ¾ inch gravel and plant varieties to be compatible with existing landscape on the eastern portion of the northern parcel. The applicant entered into a landscape maintenance agreement with the city to maintain site off-site landscaping.

Phase 2

The applicant provided Phase 2 preliminary landscape plans that show landscape at the northern and western perimeter of the proposed 15,000 SF warehouse on the northern parcel that includes a combination of decomposed granite and 1" – 4" decorative rock with landscape groundcover. The project includes a condition of approval to require gravel materials at the proposed southern retention basins to be landscaped with 3/4-inch gravel material only with no plants. Phase 2 only includes new on-site landscaping, and would not require amendment of the existing landscape maintenance agreement.

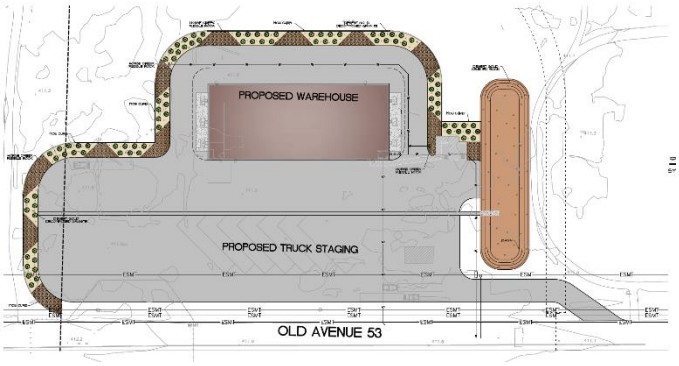


Figure 4 Phase 2 On-site Landscaping

Phase 3
As a condition of approval of this project, the applicant is required to install the following improvements in the future Phase 3 of the proposed project, including landscaping of a future median on Tyler Street adjacent to the project, landscaping of the site entrance up to the fence line behind the guard shack, landscaping of the west side of Tyler Street along the southern parcel (APN: 778-390-008), and the landscaping along the southern edge of Avenue 53 to complete the incomplete pedestrian connection between Shady Lane and Tyler Street. The applicant would be required to revise landscape maintenance agreement to include new landscape areas. The planning commission or city council may approve any modifications to deferred phase 3 improvements.

Off-Site Improvements

Phase 2 includes the following off-site improvements, including the installation of separated sidewalk, curb and gutter along the entire eastern edge of Tyler Street along the entire property frontage. As a condition of approval, the Development Services Director, and City Engineer shall have the discretion to request an alternative design for the sidewalk along the eastern side of Tyler Street, due to any impacts related to city or outside agency easements along Tyler Street. The applicant shall install a curb up to the fence line behind the guard shack, and install a new raised median between Avenue 53 and the southernly project driveway. These improvements are to complete pedestrian connection along Tyler Street adjacent to the project site. No off-site landscaping is required as part of Phase 2.

Phase 3 landscape improvements are described in the above landscape section. Future Phase 3 deferred improvements include completion of landscape improvements at the site entrance up to the fence line behind the guard shack, replacement of the existing chain-link fence for the installation of a new wrought-iron fence along Avenue 53, and along Tyler Street. The project would also be required to move a water meter outside of the site perimeter fence line per Utilities Director direction. The project would also be required to complete the incomplete pedestrian connection between Shady Lane and Tyler Street.

Parking

The applicant submitted a parking analysis for the proposed project, and staff found that the proposed project is consistent with the Parking Ordinance of the City of Coachella Municipal Code. The site currently provides 320 existing parking spaces, the proposed project would maintain sufficient parking with at least 42 surplus parking spaces.

Consistency with General Plan and Zoning

The project site is located on two separate parcels, the northern parcel at (APN 778-420-013) is zoned (U-E) Urban Employment and has a general plan designation of Urban Employment Center, and the southern parcel at (APN 778-390-008) is zoned (M-H) Heavy Industrial and has a general plan designation of Industrial District. The proposed warehouse located on the northern parcel is permitted in the U-E zone, as light industrial uses as permitted in the (M-S) Manufacturing Service zone and as standalone uses operating indoors, would be permitted with the approval of a conditional use permit. The Urban Employment Center general plan designation promotes the development of research and development uses. The proposed project is a warehouse that will be

accessory to existing research and development uses at the project site, and as such the approval of the project would be within the guidelines of the Urban Employment Center general plan designation. The proposed R&D and production facility on the southern parcel is permitted in the M-H zone, as explosive or fireworks manufacture would be permitted in the M-H zone with the approval of a conditional use permit. The Industrial District general plan designation promotes the development of research and development uses. The proposed project is compliant with the development standards of the U-E and M-H zone per the attached development standard analysis (**Attachment 7**). Within the M-H zone, projects are required to meet Manufacturing Service (M-S) zone development standards.

Hazards

The proposed project is compliant with Goal 5 Hazardous Materials Management of the City of Coachella General Plan Safety Element Policy 5.3 prohibits the placement of proposed new facilities that will be involved in the production, use, storage, transport or disposal of hazardous materials near existing land uses that may be adversely affected by such activities. The proposed project would provide a large setback from streets adjacent to residential uses. The proposed warehouse located on the northern parcel would be setback approximately ±230 feet south of Avenue 53, and setback ±220 feet east of the soccer field. The R&D production facility would be setback approximately ±169 feet west of Tyler Street. The applicant submitted a truck route plan that complies with General Plan policy 5.5, as there are no existing schools, medical facilities, child-care centers or other facilities with special evacuation needs along the proposed project truck routes within the city. The project Hazards and Hazardous Material section of the Initial Study Mitigated Negative Declaration for the project finds that the project would result in a less than significant impact with mitigation measure HAZ-1 which is included as a condition of approval for the project. Implementation of Mitigation Measures HAZ-1 would ensure the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving hazardous materials.

City records show that more than 30 years ago (pre-1992) accidental explosions and fires have occurred at the existing Armtec facilities and project site. However, no such accidents have occurred since, and the likelihood of similar accidents occurring is significantly reduced with adherence to local, state, and federal regulations regarding the routine transport, use, storage or disposal of hazardous materials as described in the Hazards and Hazardous Material section of the Initial Study Mitigated Negative Declaration for the project. The letter that describes a previous accident is attached to this report (**Attachment 6**).

CEQA

Pursuant to CEQA, an initial study was prepared for the Armtec Expansion Master Plan Project. The Initial Study concluded that the project would result in less than significant impacts to Aesthetics, Agriculture and Forestry Resources, Air Quality, Energy, Greenhouse Gas Emissions, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Noise, Population and

Housing, Public Services, Recreation, Transportation/Traffic, Utilities and Service Systems and Wildfire. The Initial Study concluded that the project would result in a less than significant impact with mitigation incorporated to Biological Resources, Cultural Resources, Geology and Soils, Hazards and Hazardous Materials, Transportation, and Tribal Cultural Resources. A 30-day public review period ran from April 22, 2025, to May 22, 2025. Staff did receive correspondence from the California Department of Fish and Wildlife, and the U.S Fish and Wildlife inquiring about special study documents which Staff responded. See 30-day review period comments attached to this report (**Attachment 1 – Exhibit E**). A Mitigation Monitoring and Reporting Program (MMRP) has been prepared and is attached to this report (**Attachment 1 – Exhibit D**).

ENVIRONMENTAL REVIEW:

The Planning Division has determined that the proposed project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration.

ALTERNATIVES

1) Adopt Resolution No. PC2025-10 approving Architectural Review No. 25-02 Conditional Use Permit No. 389, and Environmental Assessment No. 25-01 with the findings as recommended by Staff.

2) Adopt Resolution No. PC2025-10 with the findings and conditions as recommended by Staff with modifications as proposed by the Planning Commission.

3) Not approve Resolution No. PC 2025-10 and request that staff prepare a Planning Commission Resolution for denial of Architectural Review No. 25-02 Conditional Use Permit No. 389, and Environmental Assessment No. 25-01.

4) Continue this item and provide staff and the applicant with direction.

Attachments:

1. Resolution PC 2025-10
    a. Exhibit A – Conditions of Approval
    b. Exhibit B – Development Plan Set
    c. Exhibit C – Phasing Plan
    d. Exhibit D– Initial Study MND and Mitigation Monitoring Program
    e. Exhibit E – EA No. 25-01 Comments
2. Vicinity Map
3. Off-Site Improvements - Preliminary Plan
4. Hazardous Truck Route Plan
5. Armtec Parking Analysis
6. 1991 Letter
7. Development Standard Analysis

RESOLUTION NO. PC 2025-10

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF COACHELLA, CALIFORNIA APPROVING ARCHITECTURAL REVIEW NO. 25-02, CONDITIONAL USE PERMIT NO. 389, AND ENVIRONMENTAL ASSESSMENT 25-01 FOR THE ARMTEC EXPANSION MASTER PLAN TO ALLOW FOR THE DESIGN REVIEW OF PHASE 2 AND THE ENVIRONMENTAL REVIEW OF PHASE 2 AND 3 OF THE ARMTEC EXPANSION MASTER PLAN AT 85901 AVENUE 53 (APN: 778-420-013 AND 778-390-008) AND DETERMINING THAT THE PROJECT IS COMPLIANT WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) GUIDELINES SECTION 15073 - PUBLIC REVIEW OF A PROPOSED NEGATIVE DECLARATION OR MITIGATED NEGATIVE DECLARATION. APPLICANT: ARMTEC DEFENSE PRODUCTS CO.

WHEREAS, on February 10, 2025, the applicant Armtec Defense Products Co., filed an application for Architectural Review No. 25-02 (AR No. 25-02), Conditional Use Permit No. 389 (CUP No. 389), and Environmental Assessment No. 25-01 (EA No. 25-01) Armtec Expansion Master Plan for the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008) and the determination that the project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration; and

WHEREAS, Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins. Phase 3 includes a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel; and

WHEREAS, the property at APN: 778-420-013 has a land use designation of Urban Employment Center, and the property at APN: 778-390-008 has a land use designation of Industrial District pursuant to the City of Coachella General Plan; and

WHEREAS, the property at APN: 778-420-013 has a zoning designation of Urban Employment (U-E), and the property at APN: 778-390-008 has a zoning designation of Heavy Industrial (M-H) pursuant to the City of Coachella Municipal Code; and

WHEREAS, the U-E zoning designation allows for the proposed warehouse use with the approval of a conditional use permit, and the M-H zoning designation allows for the proposed explosives or fireworks manufacture use pursuant to Section 17.74.05 of the City of Coachella Municipal Code; and

WHEREAS, the proposed use is consistent with and intended to implement the vision of the City's General Plan and the Municipal Code pertaining to providing space for a range of employment uses to help expand and diversify the City's economy, and to accommodate industrial businesses; and

WHEREAS, the proposed site is adequate in size and shape to accommodate the proposed development; and,

WHEREAS, the site for the proposed use relates properly to streets which are designed to carry the type and quantity of traffic to be generated by the proposed use; and,

WHEREAS, pursuant to the provisions of the California Environmental Quality Act Guidelines Section 15073 – Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration, an initial study was prepared that determined that the project would not have a significant effect on the environment; and,

WHEREAS, a notice of a public hearing to consider the Conditional Use Permit(CUP No. 253), Architectural Review (AR No. 25-02), and Environmental Assessment (EA No. 25-01) applications was issued in accordance with Coachella Municipal Code Section 17.74.010.G, inclusive of the publication on May 25, 2025, of a legal public hearing notice published in the Desert Sun, the City's newspaper of record, and the mailing of a public hearing notice to a certified list of property owners within 300 feet of the subject properties on May 25, 2025; and

WHEREAS, on June 4, 2025, the Planning Commission of the City of Coachella held a duly noticed public hearing on the subject application, considered written and oral comments, and facts and evidence presented by the applicant, City staff, and other interested parties; and

WHEREAS, at the Planning Commission hearing, the Applicant and members of the public were present and were afforded an opportunity to testify regarding the Project; and,

WHEREAS, at the conclusion of the public hearing and following discussion, the Planning Commission approved this Resolution for the Architectural Review No. 25-02 (AR No. 25-02), Conditional Use Permit No. 389 (CUP No. 389), and Environmental Assessment No. 25-01 (EA No. 25-01) Armtec Expansion Master Plan for the for the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008) and the determination that the project is compliant with is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration. Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins. Phase 3 includes a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel, as conditioned, with the motion vote outcome specified in the meeting minutes for the June 4, 2025, Planning Commission meeting.

NOW, THEREFORE, BE IT RESOLVED, that the Planning Commission of the City of Coachella, California hereby resolves, finds, and determines as follows:

Section 1. Incorporation of Recitals. The Planning Commission hereby finds that all of the facts in the Recitals are true and correct and are incorporated and adopted as findings of the

Planning Commission as fully set forth in this resolution.

Section 2. CEQA Findings. The Planning Commission has independently reviewed the Notice of Exemption and the administrative record for the Proposed Use, including all oral and written comments received during the public hearing, the staff report, and all attachments thereto, which are all incorporated herein by reference and are on file with the Development Services Department for the City of Coachella, and the Planning Commission finds that:

The City of Coachella, as Lead Agency, has reviewed the Project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, outlining the three-step process for determining which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15073 – Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration, which provides procedures for the public review of a proposed mitigated negative declaration. It can be seen with certainty that implementing the Project would not cause a significant adverse effect on the environment because an initial study was prepared for the Project that determined that the Project would not have a significant effect on the environment. Therefore, the project is compliant with California Environmental Quality Act Guidelines Section 15073 – Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration.

Section 3. Architectural Review Findings. Based upon the evidence presented at the hearing, including the staff report and written and verbal testimony, which are all incorporated herein by reference, the Planning Commission hereby finds that:

1) The proposed project is consistent with the General Plan. The northern parcel at (APN 778-420-013) has a general plan designation of Urban Employment Center, the designation promotes the development of research and development uses. The proposed project is a warehouse that will be accessory to existing research and development uses at the project site. The approval of this project would promote the development of research and development uses as promoted by the General Plan. The southern parcel at (APN: 778-390-008) has an Industrial District general plan designation which promotes the development of research and development uses. The proposed research and development (R&D) and production facility on the southern parcel would promote the development of research and development uses as promoted by the General Plan.

2) The proposed project complies with zoning regulations. The proposed warehouse located on the northern parcel (APN 778-420-013) is permitted in the Urban Employment (U-E) zone as light industrial uses are permitted with the approval of a conditional use permit. Warehouse uses are permitted in the M-S zone. The proposed research and development (R&D) and production facility on the southern parcel (APN: 778-390-008) is permitted in the M-H zone as explosive or fireworks manufacture would be permitted in the M-H zone with the approval of a conditional use permit.

3) The proposed project is consistent with the City's Design Guidelines. The project is required to meet the development standards of the U-E and M-H zones, and the project is architecturally compatible with the existing buildings.

4) The proposed development would not be detrimental to the public health, safety, or welfare, or materially injurious to properties and improvements in the vicinity. The proposed project would not be detrimental to the public health, safety, or welfare as determined by the initial study prepared for the project and the implementation of mitigation measures as required by the conditions of approval of this project; and

5) The proposed project is located, designed, constructed, operated and maintained so as to be compatible with the existing or intended character of the general vicinity and shall not change the essential character of the same area. The project location, design, and construction is compatible with the existing structures on the project site, and would not change the essential character of the same area. The project is required to be operated and maintained in compliance with federal regulations, which would ensure that the project is compatible with the existing or intended character of the general vicinity and shall not change the essential character of the same area.

Section 4. Conditional Use Permit Findings. Based upon the evidence presented at the hearing, including the staff report and written and verbal testimony, which are all incorporated herein by reference, the Planning Commission hereby finds that:

1) The proposed use will not be in conflict with, but will be in harmony with and in accordance with the objectives of the general plan as described in Architectural Review Finding 1

2) The proposed use will be located, designed, constructed, operated and maintained so as to be compatible with the existing or intended character of the general vicinity and shall not change the essential character of the same area, as described in Architectural Review Finding 5.

3) Consideration was given to harmony in scale, bulk, coverage and density, to the availability of public facilities and utilities, to harmful effect, if any, upon desirable neighborhood character, to the generation of traffic and the capacity of surrounding streets, and to any other relevant impact of the development. Additionally, there is adequate ingress and egress into and out of the existing site to maintain the adequacy of the traffic circulation system serving the proposed use. The proposed Armtec Expansion Master Plan phase 2 project will operate at an existing developed site with existing parking areas that is sufficient for the proposed project. The proposed off-site improvements are to ensure the proposed off-site improvements are in compliance with the Mobility Element of the General Plan. The applicant is required to comply with the City's development standards for the Urban Employment (U-E) and Heavy Industrial (M-H) zone and the Coachella Municipal Code for the proposed project.

4) Where the proposed use may be potentially hazardous or disturbing to existing or reasonable expected neighboring uses, it must be justified by the common public interest as a benefit to the community as a whole. The proposed project would not be detrimental to the public health, safety, or welfare as determined by the initial study prepared for the project and the implementation of mitigation measures as required by the conditions of approval of this project; The proposed Armtec Expansion Master Plan phase 2 project is required to make off-site improvements that would ensure Tyler Street is in accordance with the Mobility Element of the General Plan, and would provide a pedestrian connection to existing uses on the east side of Tyler Street adjacent to the proposed project site.

5) The proposed use will include vehicular approaches to the property designed for reasonable minimal interference with traffic on surrounding public streets or roads. The proposed project is located at an existing developed site that provides adequate existing vehicular approaches.

6) The proposed project is compliant with the provisions of the California Environmental Quality Act Guidelines Section 15073 – Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration, an initial study was prepared that determined that the project would not have a significant effect on the environment

Section 4. Planning Commission Approval. Based on the foregoing, the Planning Commission hereby **CONDITIONALLY APPROVES** Architectural Review No. 25-02 (AR No. 25-02), Conditional Use Permit No. 389 (CUP No. 389), and Environmental Assessment No. 25-01 (EA No. 25-01) Armtec Expansion Master Plan for the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008) and the determination that the project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration. Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins. Phase 3 includes a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel. The Applicant shall demonstrate compliance with ALL Conditions of Approval, as set forth in "Exhibit A" and development plans in "Exhibit B", phasing plan in "Exhibit C" and environmental assessment "Exhibit D" and "Exhibit E" of this Resolution. Failure to demonstrate compliance with these conditions of approval may result in the delay of the Proposed Use or the rescinding of the City of Coachella's conditional use permit approval. Where the term "Applicant" is used in any condition of approval, this term shall also apply to the Property Owner, any developer, or any successor in the interest of the Applicant. It is the Applicant's or Applicant's successor in interest responsibility to fully comply with the conditions of approval unless subsequently modified in accordance with the City's required processes and procedures.

PASSED APPROVED and ADOPTED this 4th day of June 2025 by the

following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Isela Murillo
Planning Commission Chairperson

ATTEST:

_____
Kendra Reif
Planning Commission Secretary

APPROVED AS TO FORM:

_____

City Attorney

STATE OF CALIFORNIA)
COUNTY OF RIVERSIDE) ss.
CITY OF COACHELLA)

I HEREBY CERTIFY that the foregoing Resolution No. PC 2025-10 was duly adopted by the Planning Commission of the City of Coachella at a regular meeting thereof, held on this 4th day of June 2025 by the following vote of the Planning Commission:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Kendra Reif
Planning Commission Secretary

Exhibit A – Resolution No. PC2025-10

CONDITIONS OF APPROVAL FOR ARCHITECTURAL REVIEW NO. 25-02 CONDITIONAL USE PERMIT NO. 389, AND ENVIRONMENTAL ASSESSMENT NO. 25-01

Armtec Expansion Master Plan

General Conditions

1. AR No. 25-02, CUP No. 389, EA No. 25-01 is approved for the design review of Phase 2 and the environmental review of Phase 2 and 3 of the Armtec Expansion Master Plan at 85901 Avenue 53 (APN: 778-420-013 and 778-390-008) and the determination that the project is compliant with is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15073 - Public Review of a Proposed Negative Declaration or Mitigated Negative Declaration. Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins. Phase 3 includes a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel.

2. The applicant shall defend, indemnify and hold harmless the City of Coachella, its officials, officers, employees, and agents from and against any claim, action, or proceeding against the City, its officials, officers, employees or agents to attack, set aside, void or annul any project approval or condition of approval of the city concerning this project, including but not limited to any approval or condition of approval or mitigation measure imposed by the City Council or Planning Commission. The City shall promptly notify the applicant of any claim, action, or proceeding concerning the project and the City shall cooperate fully in the defense of the matter. The City reserves the right, at its own option, to choose its own attorney to represent the City, its officials, officers, employees and agents in the defense of the City Attorney, within five days of the effective date of this approval.

3. The working drawings shall include within the first four pages a list of all conditions of approval included in this resolution.

4. All plan submittals are the responsibility of the developer; this includes plan submittals to the City of Coachella, the Riverside County Fire Department or to other agencies for whom plan review and approval is required.

5. A detailed landscape and irrigation plan shall be submitted that addresses landscape requirements for the project site. Prior to issuance of building permits, a final landscape plan shall be submitted and approved by the Development Services Director or his/her designee.

6. The owner will be required to consult with the Utilities Manager and Environmental Programs Coordinator regarding water and sewer connections, and utility connection impact fees, and any proposed sewer dump connections.

7. Applicant is required to meet all hazardous materials requirements per the Coachella Municipal Code Chapter 8.52 – Hazardous Materials.

8. Prior to building permit issuance, applicant to submit a photometric plan to the building division, to ensure light pollution impacts are reduced as feasible.

9. Armtec Defense Technologies, the applicant, shall sign approved resolution and each sheet of the conditions of approval within 45 days of the approval and return the signed copy to the Development Services Department.

10. At the direction of Development Services Director, City Engineer, or Code Enforcement Manager, the applicant shall install soil stabilizer at regular intervals or as needed to prevent dust. The applicant may propose other sufficient measures to prevent dust.

11. Applicant shall install curb only at the north side of the old Avenue 53 entrance, up to the fence line behind the guard shack.

12. Applicant shall provide a separated sidewalk design for off-site improvements adjacent to the east side of Tyler Street per the direction of the Development Services Director and City Engineer. The Development Services Director and City Engineer shall have the discretion to request and approve an alternative design for the east side of Tyler Street that may include curb adjacent sidewalk, or other high-quality design, due to any impacts related to city or outside agency easements along Tyler Street, or other related impact.

13. The applicant shall landscape the proposed retention basins at the southern parcel with ¾ inch decorative gravel only, to be compatible with the preliminary landscape plans for the new proposed retention basin on the northern parcel.

14. Applicant shall be required to install the following improvements in a future Phase 3 project. Any future approvals for Phase 3 may make modifications to required deferred improvements subject to Planning Commission and/or City Council approval. The deferred improvements to a future Phase 3 include the following:

    a. Landscaping of the median on Tyler Street adjacent to project, including planting material.

    b. Landscape of the north and south side of old Avenue 53 entrance, up to the fence line behind the guard shack.

    c. Landscape of the west side of Tyler Street along APN: 778-390-008.

    d. Installation of curb, gutter, sidewalk, and landscape along the southern edge of Avenue 53, adjacent to APN 778-420-014, to complete the incomplete pedestrian connection between Shady Lane and Tyler Street.

    e. Replace existing chain-link fence and install a new wrought-iron fence along Avenue 53, and along Tyler Street.

    f. Move water meter from its current position inside Armtec's fence line to outside of the fence line, per direction of the Utilities Director.

g. Revise Landscape Maintenance Agreement to include new landscape areas.

Building

15. This project must adhere to the California Green Building Standards Code, including the incorporation of shade trees. Please include the mandatory measures in the proposed plans. For your reference, review the attached document outlining the mandatory measures from the California Green Building Standards Code. Document must be completed and submitted at time of building permit application.

Utilities

16. Plumbing blueprints depicting water, sanitary, industrial, and/or grease waste line. (all lines that are applicable)

17. Domestic water and sewer point of connection to the City's utilities.

18. Plumbing code fixture schedule with total DFU's listed.

19. Complete wastewater discharge survey.

20. Pretreatment equipment/Sample box: (if applicable) Provide manufacture specifications and sizing chart.
    a. Pretreatment Equipment Minimum Requirements:
        i. 750 gal minimum
        ii. Clean outs and vents before and after pretreatment equipment
        iii. Sample box immediately downstream of the pretreatment equipment
        iv. Made from precast concrete

21. Storm water runoff must be contained within the property.

22. Outside drains connected to the sanitary sewer are prohibited unless drains are protected from rain water by having a permanent berm within a shade structure. Storm water is prohibited from entering the sanitary sewer.

23. The project may be required to connect to the City's public water and wastewater systems. In the event that new connections are required, the applicant shall submit water and sewer plans for approval.

24. New water and sewer connections are subject to the collection of impact fees.

25. All fire lines require the installation of Double Check Detector Assemblies.

26. Backflow devices are required on all non-residential connections installed within 12" of the meter box.

27. All buildings may require individual meters.

28. Irrigation may require its own meter.

29. All water connections shall install 4G AMI master meters.

30. All service lines shall be copper tubing per the approved list of materials.

31. All materials shall be per the approved list of materials provided by the Engineering Department or the Utilities Department.

32. No new water connections shall be shown on landscaping plans, all connections shall be in the water improvement plans.

33. Trees must have a minimum of 15' separation distance from the Utilities water/sewer mainlines and laterals. Or minimum 10' separation distance from water/sewer mainlines laterals with root barrier.

34. Relocation of the water meter may be deferred to Phase 3

35. No obstructions, buildings, foundations over the City's water line crossing APN 778-420-013 as seen on the exhibit below.

Engineering

GENERAL:

36. Prepare and record necessary drainage easements to implement the project in accordance with drainage law.

37. The developer shall submit a Fugitive Dust Control and Erosion Control plan in accordance with Guidelines set forth by CMC and SCAQMD to maintain wind and drainage erosion and dust control for all areas disturbed by grading. Exact method(s) of such control shall be subject to review and approval by the City Engineer. No sediment is to leave the site. Additional securities, in bond form, in amount of $2,000.00 per acre of gross area, and a one-time cash deposit of $2,000.00 are required to insure compliance with this requirement. No work may be started on or off site unless the PM-10 plan has been approved, the original plans, and executed dust control agreement, are filed in the engineering department at the City of Coachella.

38. Applicant shall submit for review and approval by the City Engineer all documents related to any existing and proposed on-site and off-site easements that may affect the development of the site. All easements shall be identified on the engineering plans.

39. Site access improvements shall be in conformance with the requirements of Title 24 of the California Administrative Code. This shall include access ramps for off-site and on-site streets as required.

40. Applicant shall obtain approval of site access and circulation from Fire Marshall.

41. The applicant shall provide necessary utility easements for IID and underground overhead distribution lines within the project boundaries. Applicant shall submit to the City a letter from IID that satisfies this requirement.

42. The applicant shall pay all necessary plan check, permit and inspection fees. Fees will be determined when plans are submitted to the City Engineering Department for plan check.

ROUGH GRADING:

43. Prepare and submit rough grading and erosion control plans for the project.

44. The project's soils engineer shall certify to the adequacy of the grading plan.

45. All projects developing one (1) acre or more of total land area, or which are part of a larger phased development that will disturb one acre of land, are required to obtain coverage under the State Water Resources Control Board's (SWRCB) General Permit for storm water discharges associated with construction activity. Proof of filing a Notice of Intent (NOI) with the SWRCB for coverage under this permit is required. The Waste Discharger's Identification Number (WDID), issued by the SWRCB, must be shown on the grading plans. The project's Storm Water Pollution Prevention Plan shall be submitted for the City's review and approval.

PRECISE GRADING:

46. A precise grading/improvement plan, prepared by a California Registered Civil Engineer, showing building footprints, pad elevations, finished grades, drainage routes, retaining walls, erosion control, slope easements, and all other pertinent information shall be submitted for review and approval by the City Engineer.

47. Rough grading shall be certified by the project soils engineer prior to issuance of a permit for precise grading or building construction.

48. Provide and record a reciprocal use and maintenance agreement to assure common ingress and egress and joint maintenance of all common access, parking areas and drives.

49. If applicant is planning to build a wall, separate permits shall be required for wall construction. The maximum height of any wall shall be limited to six (6) feet as measured from an average of the ground elevations on either side.

STREET IMPROVEMENTS:

50. Street improvement plans prepared by a California Registered Civil Engineer shall be submitted for review and approval by the City Engineer. All street improvements including street lights shall be designed and constructed in conformance with City Municipal Code, General Plan, and Standards and Specifications. Street flow line grade shall have a minimum slope of 0.35 %.
51. Applicant shall construct all off-site and on-site improvements including street pavement, curb, gutter, sidewalk, street trees, perimeter walls, perimeter landscaping and irrigation, storm drain, street lights, and any other incidental works necessary to complete the improvements. Driveways shall conform to City of Coachella standards for commercial driveways with a minimum width of 24.00 feet and curbed radius entrances.

52. Applicant shall construct and dedicate the following Street and street improvements to conform to the General Plan and/or requirements of Traffic Study.

    a. 53rd Avenue- Public Roadway as shown on the RAC and per these comments shall include the following as part of phase 3 improvements:

        i. This street is classified as Industrial Collector with 80 feet of right-of-way as per City of Coachella General Plan.

        ii. Applicant shall install all sidewalk, curb and gutter transitions to uniformly connect to existing adjacent improvements located at Shady Lane and all other appurtenances as required to the satisfaction of the City Engineer.

        iii. Applicant shall construct all appurtenant roadway components within project limits such as, but not limited to: sidewalk, ADA ramps, legends, Traffic control signs and street name signs within project limits to satisfaction of the City Engineer.

        iv. Applicant shall remain and protect in place existing Streetlights and make sure that existing Street Lights and new sidewalk have room clearance for ADA path of travel to the satisfaction of the City Engineer.

    b. Tyler Street- Public Roadway as shown on the RAC and per these comments shall include the following:

        i. This street is classified as Primary Arterial with bicycle lane with 94 feet of right-of-way as per City of Coachella General Plan.

        ii. Applicant shall protect existing curb adjacent to the project frontage in place. It is understood that the existing curb and gutter does not exist at the approved ultimate right of way location.

        iii. Along the Eastern edge of Tyler Street along the entire property frontages, applicant shall install all sidewalk, curb and gutter transitions to uniformly connect to existing adjacent improvements all other appurtenances as required to the satisfaction of the City Engineer. Curb face shall be placed 32.5 east of Center line to coincide with existing curb face located south of the proposed improvements at APN 763-141-014.

        iv. Applicant shall install new asphalt concrete along the eastern shoulder of the roadway to complete the roadway section adjacent to the new proposed curb. Proposed lane configurations shall include 2 north bound lanes and two south bound lanes with widths of not less than 11 feet and a center median with a width of 14 feet. Project shall also include painted Class II bike lanes in both the north and south bound lanes at a width of not less than 5 feet. Applicant shall construct all appurtenant roadway components within project limits such as, but not limited to: raised center medians, turn lanes, sidewalk (east side only), ADA ramps (east side only), legends,

Traffic control signs and street name signs within project limits to satisfaction of the City Engineer.

v. Applicant shall remain and protect in place existing Streetlights and make sure that existing Street Lights and new sidewalk have clearance for ADA path of travel to the satisfaction of the City Engineer.

vi. Applicant shall install a new raised median between Ave 53 and the southerly project driveway located approximately 220 feet north of the properties southern edge. Applicant shall install a 14 foot wide two way turn lane within the center lane between the southerly driveway and the southerly property line.

vii. Applicant shall install additional landscape improvements, lighting, and decorative fencing as required by planning within the median and westerly side of Tyler street as part of the phase 3 improvements at a future date. It is recommended that the applicant install empty utility sleeves within the roadway to accommodate future electrical and irrigation needs.

SEWER and WATER IMPROVEMENTS:

53. Sewer & Water Improvement Plans prepared by a California Registered Civil Engineer shall be submitted for engineering plan check and City Engineer approval.

54. Applicant shall construct all off-site and on-site water improvements and any other incidental works necessary to complete the improvements. Size and location of sewer and water improvements shall be approved by the City Engineer.

PRIOR TO ISSUANCE OF BUILDING PERMITS:

55. A final soils report, compaction report and rough grading certificate shall be submitted and approved prior to issuance of any building permits.

56. Provide a set of proposed Covenants, Conditions and Restrictions (CC&R) for review and approval. The proposed CC&Rs shall contain the Association's/Owner's maintenance obligations with respect to various facilities including, but not limited to, right-of-way and private landscaping, private streets, sidewalks, utilities, street lights, and Water Quality Management Plan (WQMP) features. This document must be submitted to and approved by the City before it is submitted to any other governmental

Fire

57. Access. Fire Department emergency vehicle apparatus access road locations and design shall be in accordance with the California Fire Code and Riverside County Fire Department Standards. Plans must be submitted to the Fire Marshal's office for review and approval prior to building permit issuance.

58. Water. Fire Department water system(s) for fire protection shall be in accordance with the California Fire Code and Riverside County Fire Department Standards. Plans must be submitted to the Fire Department for review and approval prior to building permit issuance.

59. Conditions Timeframe. Conditions of approval are subject to change with adoption of new codes, ordinances, laws, or when building permits are not obtained within twelve months.

GENERAL – CONSTRUCTION CONDITIONS

60. ACCESS – WITHIN DISTANCE OF STRUCTURE. Approved fire apparatus access road shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall extend to with 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building measured by an approved route around the exterior of the building or facility.

61. ACCESS CAPACITY, SURFACE & GRADE. Fire Department emergency vehicular access road (public or private) shall be all weather surface capable of sustaining the imposed load of 80,000 lbs. GVW, bases on street standard approved but the Transportation and Fire Marshal's offices. All Fire Department access roads or driveway shall not exceed 16 percent grade.

62. ACCESS WIDTH & HEIGHT. Fire apparatus access roads and fire lanes shall have an unobstructed width of not less than twenty-four (24) feet and unobstructed vertical clearance of not less than thirteen (13) feet six (6) inches.

63. ACCESS SURFACE. Prior to construction, all locations where structure are to be built shall have an approved Fire Department access based on street standard approved by the Fire Marshal's office

64. ACCESS DRIVEWAY TURNAROUND. Fire apparatus road over 150 feet in length shall have a turn-around as determined by the Fire Marshal's office capable of accommodating fire apparatus

65. ACCESS DEAD-END. Dead-end street and/or fire apparatus roads in excess of 150 feet in length shall be provided with an approved turnaround for fire apparatus

66. ACCESS ANGLE OF APPROACH. Angle of approach and departure for any means of Fire Department access shall not exceed 1 ft drop in 20 ft (0.3 m drop in 6 m) and the design limitation of the fire apparatus of the Fire Department shall be subject to approved by the AHJ

67. ACCESS FIRE LANES. An approved site plan for fire lanes and signage shall be review and approved by Fire Marshal's office, prior to issuance of Building Permit

68. ACCESS GATE AUTOMATIC OPENER. New motorized gates shall be provided with means to be automatically open remotely by emergency vehicles and shall be approved by the Fire Marshal's office.

69. ADDRESS COMMERCIAL. Prior to issuance of Certificate of Occupancy or Building Final, all commercial building shall displace street numbers in a prominent location on the street side and rear access location. The number shall be a minimum of twelve (12) inches in height visible and in a contrasting color to the background.

70. FIRE FLOW. The Fire Marshal's office is required to set a minimum fire flow for the remodel or construction of all building per CFC Appendix B and Table B05.1. The applicant/developer shall provide documentation to show there exists a water system capable of delivering said waterflow for 2 hours duration at 20-PSI residual operation pressure. The required fire flow may be adjusted during the approval process to reflect changes in design, construction type or automatic fire protection measure as approve the Fire Marshal's office. Specific requirements for the project will be determined at the time of submittal

71. FIRE HYDRANT COMMERCIAL. The minimum number of fire hydrants required, as well as the location and spacing of fire hydrants, shall comply with CFC, NFPA 24 and Riverside County Ordinance. Fire hydrants shall be located no closer than 40 feet to a building. A fire hydrant shall be located within 50 feet of the fire department connection of the building protected with a fire sprinkler system. The size and numbers of outlet require for the approval fire hydrants are (6" X 4" X 2 ½" X 2 ½")

72. FIRE HYDRANT PRIVATE. Plans for private water mains supplying fire sprinklers systems and/or private fire hydrants shall be submitted to the Fire Marshal's office for approval.

73. FIRE HYDRANT EXITING ON PUBLIC STREETS. Existing fire hydrants on public streets are allowed to be considered available. Existing fire hydrants on adjacent properties shall not be considered available unless fire apparatus access road extend between properties and easement are established to provide obstruction of such road. A – After the local water company signs the plans, the original shall be present to the Fire Marshal's office for signatures. The required water system, including fire hydrants, shall be installed, made serviceable, and be accepted by the Fire Marshal's office prior to beginning construction. They shall be maintained accessible

74. FIRE HYDRANT STREET-BLUE REFLECTIVE MARKER. Fire hydrant location shall be visually indicated with blue reflective markers. Any hydrant marker damaged or removed during street construction or repair shall be immediately replaced.

75. FINAL FIRE & LIFE SAFETY. Final fire and life safety conditions will be address with the Fire Marshal's Office review building plans. These conditions will be based on occupancy, use, California Building Code (CBC), California Fire Code (CFC) and related codes, which are in effect at the time of building plan submittal

76. PHASE ACCESS. If construction is phased, each phase shall provide an approved emergency vehicular access way for fire protection prior to any building construction

77. PHASE CONSTRUCTION. During phasing construction, dead end roadways and streets which have not been completed shall have a turnaround capable of accommodating fire apparatus.

78. PRIOR TO PERMIT PAVED ACCESS. Prior to issuance of the building permit for development, independent paved access to the nearest paved road shall be designed and constructed by the developer with the public right of way.

79. FIRE SAFETY DURING CONSTRUCTION. The Fire Chief Official is authorized to enforce the fire safety during construction requirement of Chapter 33

80. BUILDING CONDITIONS

81. STANDARD CONDITIONS – OCCUPANCY

82. PRIOR TO FINAL- FIRE SPRINKLERS. Prior to issuance of Certification of Occupancy or Building Final, the applicant/developer shall install a fire sprinkler system based on square footage and type of construction, occupancy or use. Fire sprinklers plans shall be submitted to Fire Marshal's office for approval prior to installation

83. PRIOR TO FINAL- FIRE ALARM. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall install a fire alarm system monitored by an approved Underwriters Laboratory listed central station or as approved by Riverside County Fire, based on a requirement for monitoring the sprinkler system, occupancy, or use. Fire alarm panel shall be accessible from the exterior of building in an approved location. Plans shall be submitted to the Fire Marshal's office for approval prior to installation.

84. PRIOR TO FINAL- HAZMAT PLAN. Prior to issuance of Certificate of Occupancy, approval shall be required from the County of Riverside Community Health Agency (Department of Environmental Health) and Fire Marshal's office to maintain, store, use, handle materials, or conduct process which produce conditions hazardous to life or property, and to install equipment used in connection with such activities.

85. PRIOR TO FINAL- FIRE EXTINGUISHERS. Prior to issuance of Certificate of Occupancy, fire extinguishers of appropriate type and size shall be mounted in an accessible location within adequate travel distance.

86. PRIOR TO FINAL KNOX BOX. Prior to issuance of Certificate of Occupancy, a "Knox Box Rapid Entry System" shall be provided. The Knox Box shall be installed in an accessible location approved by the Fire Code Official. All exterior security emergency access gates shall be electronically operated and be provided with Knox key switch for access by emergency personnel.

87. PRIOR TO FINAL EGRESS & DELAY EGRESS ACCESS. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall provide plans and permits for any delayed egress and access systems to be installed at the facility.

88. PRIOR TO FINAL HIGH/SOLID PILE. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall submit plans and permits for high pile and solid pile of combustible materials.

89. PRIOR TO FINAL RACK STORAGE. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall submit plans and permits for rack storage of materials.

CEQA

90. The applicant shall comply with all mitigation measures and the mitigation monitoring reporting program of the project Initial Study Mitigated Negative Declaration.

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TREMCO Construction Products Group

Nudura®ICFs are a proven method of providing you a better alternative to traditional building methods

Buildings today demand reliable, energy efficient and eco-friendly walls that provide superior performance to minimize energy costs, reduce carbon emissions and maximize property value. Structures made of Nudura®Insulated Concrete Forms (ICFs) offer superior strength, disaster resilience, sound and fire-resistance and energy efficiency. This is why the design community, developers, builders and contractors across the world continue to choose Nudura's ICFs and insulation products as a proven alternative to traditional building methods.

Nudura products provide the freedom and versatility to design and build projects the way they are envisioned. Designing and building with Nudura gives you the opportunity to build faster with more design flexibility, while offering an eco-friendly structure with substantial benefits that contribute to long-term energy savings. When choosing Nudura ICFs you can rest assured you have chosen the best building solution available today.

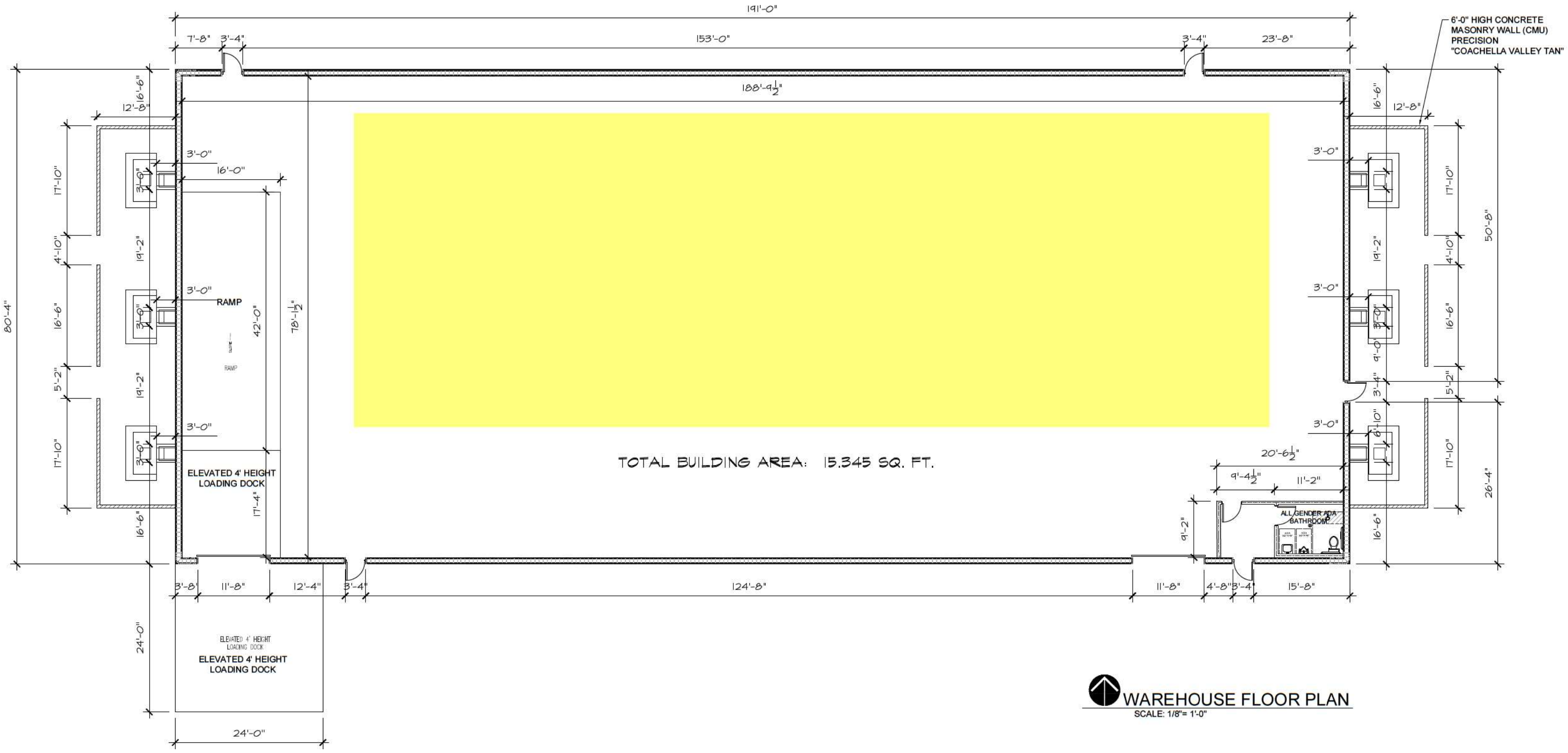
Nudura is now proudly part of Tremco Construction Products Group (CPG). A Tremco CPG single-source building envelope means more for everyone - more satisfied contractors, more comfortable occupants or tenants and more efficient structures and cost-effective operation for building owners.



INSULATED CONCRETE FORM (ICF BLOCKS)

BUIDING DATA WAREHOUSE (NORTHERN PARCEL)

- ASSESSOR'S PARCEL NUMBER 778-420-013
- ZONED (U-E) URBAN EMPLOYMENT. WAREHOUSE BUILDING WITH A TRUCK STAGING AREA.
- PROPOSED TYPE I-B CONSTRUCTION. WAREHOUSE WILL REQUIRE A 2HR. FIRE RATED WALLS & 1 HR. ROOF ASSEMBLY.
- BUILDING AREA : 15,345 SQ.FT.
- SINGLE STORY (28'-0" APPROXIMATE HEIGHT)



WAREHOUSE FLOOR PLAN

SCALE: 1/8"= 1'-0"

DESERT CONCEPTS CONSTRUCTION Inc.
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FAX : (760)200-9014
EMAIL : mail@desertconcepts.net
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Ramon Gutierrez (760)485-7003 / ramongwd@gmail.com
Adolfo Gutierrez (760)898-8210 / adolfogwd@gmail.com

LEGEND

(yellow)	HAZARDOUS AREA
	INSULATED CONCRETE (ICF) BLOCKS 4" FORM
	ICF BLOCKS 8" FORM
	INTERIOR WALL 3-5/8" 20 GA. METAL STUD @ 16" O.C. WITH 5/8" DRYWALL BOTH SIDES UP TO BOTTOM OF TRUSSES AND R-13 FIBERGLASS BATT INSULATION.
	INTERIOR PLUMBING DEMISING WALL. 6" 20 GA. METAL STUD @ 16" O.C. WITH 5/8" DRYWALL BOTH SIDES UP TO BOTTOM OF TRUSSES AND R-13 FIBERGLASS BATT INSULATION.
	INTERIOR WALL 6" 16 GA. METAL STUD @ 16" O.C. WITH 5/8" FIRE RATED GYPSUM BOARD BOTH SIDES UP TO BOTTOM OF TRUSSES AND R-13 FIBERGLASS BATT INSULATION.
	6'-0" HIGH PRECISION CMU WALL SCREEN WALL FOR MECHANICAL EQUIPMENT

NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

APN# 778-420-013-4
COACHELLA, CA 92236

TITLE

WAREHOUSE FLOOR PLAN

DATE	APR. 2025
DRN. BY	R.G.
SCALE	AS NOTED
APPROVED	

SHEET NO. **A0**

ROOF NOTES

INDICATES DIRECTION OF SLOPE. SLOPE 2/12. WHEN APPLICABLE

NOTE: ALL FLASHING, COUNTERFLASHING AND COPING WHEN OF METAL SHALL BE NOT LESS THAN NO. 26 GA.

ROOF ASSEMBLY SHALL HAVE A CLASS 'A' FIRE RATING.

T.O.P. - TOP OF PARAPET

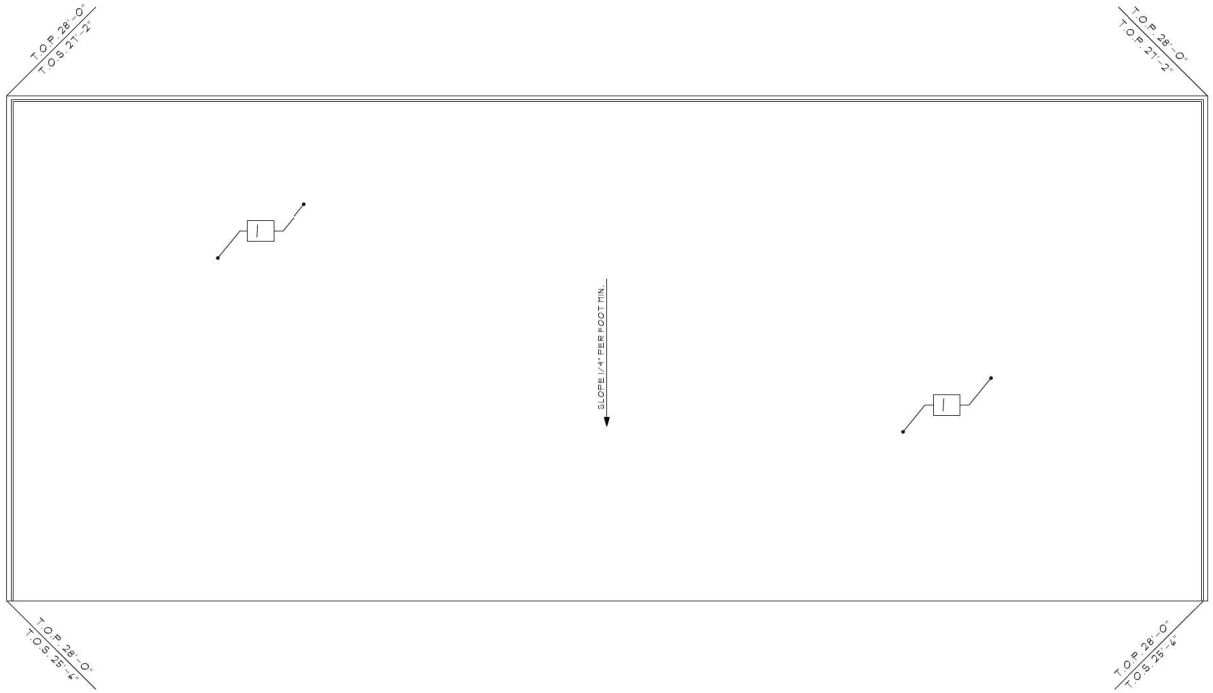
T.O.S. - TOP OF SHEATHING

NOTE

INSTALLATION OF ROOFING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ROOF KEY NOTES

1 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING, CLASS-"A"



WAREHOUSE ROOF PLAN
SCALE: 1/8"= 1'-0"

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NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

APN# 778-420-0134
COACHELLA, CA 92236

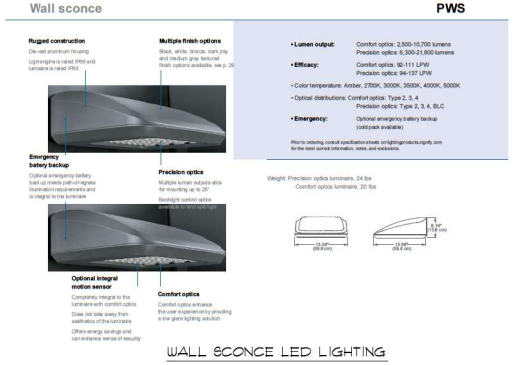
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WAREHOUSE ROOF PLAN

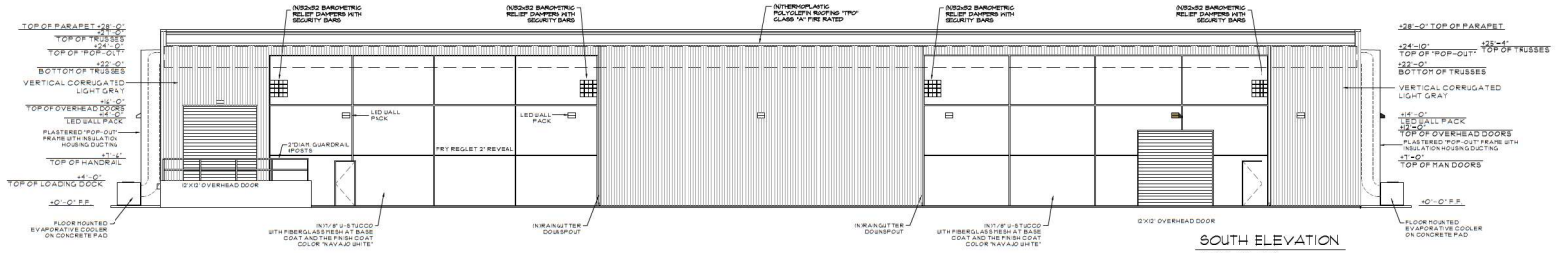
DATE	APR. 2025
DRN. BY	R.G.
SCALE	AS NOTED
APPROVED	

SHEET NO
A1

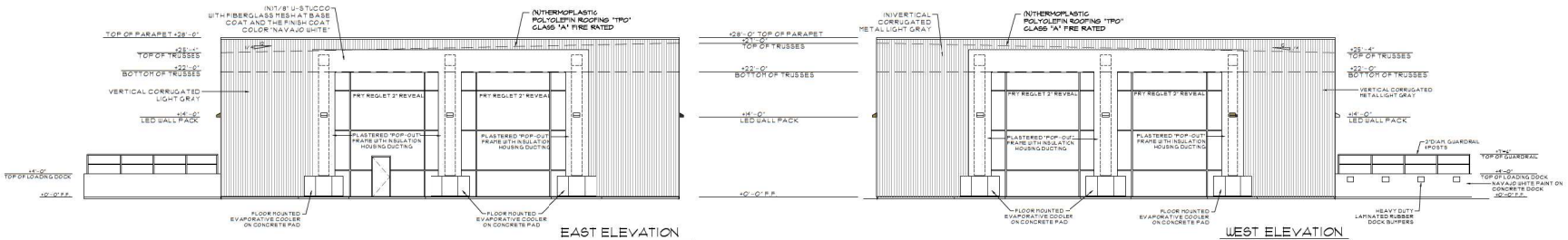
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WALL SCONCE LED LIGHTING

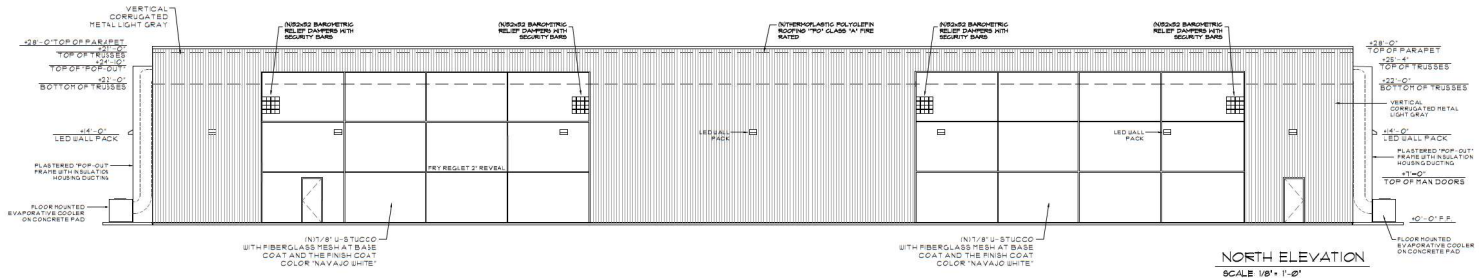


SOUTH ELEVATION
SCALE: 1/8"= 1'-0"



EAST ELEVATION
SCALE: 1/8"= 1'-0"

WEST ELEVATION
SCALE: 1/8"= 1'-0"



NORTH ELEVATION
SCALE: 1/8"= 1'-0"

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NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

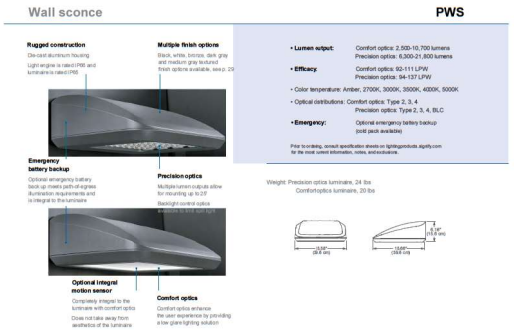
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COACHELLA, CA 92236

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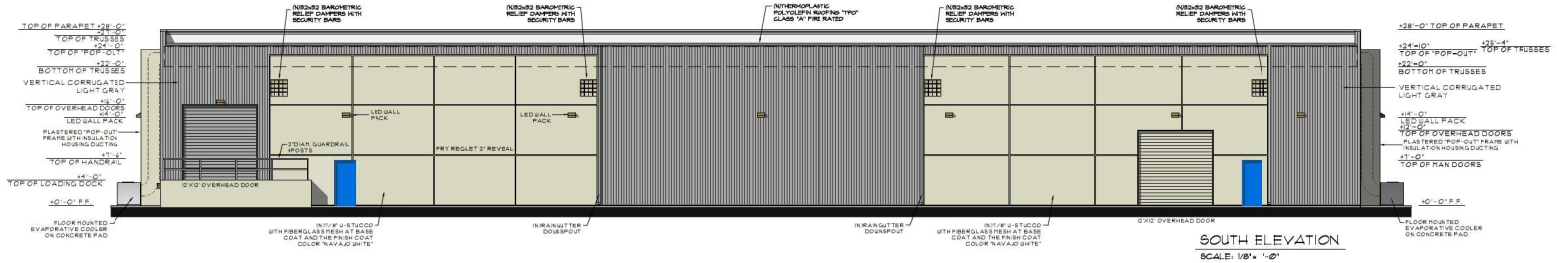
WAREHOUSE ELEVATIONS

DATE	APR. 2025
DRN. BY	R.G.
SCALE	AS NOTED
APPROVED	

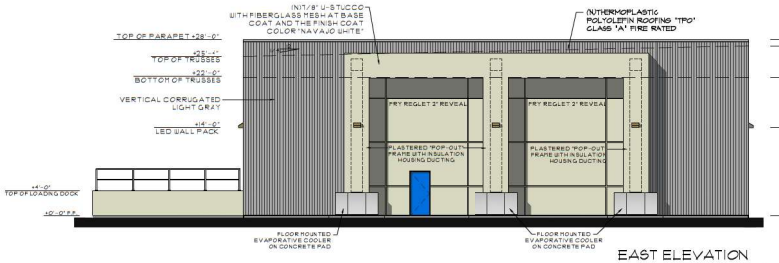
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WALL SCONCE LED LIGHTING



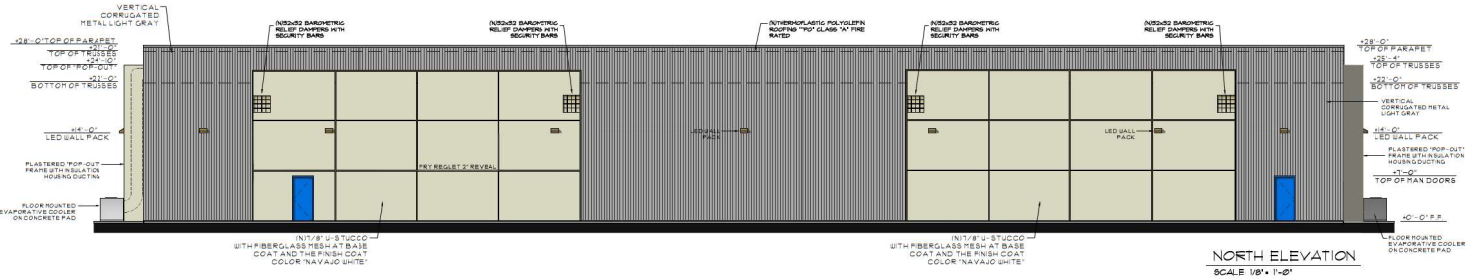
SOUTH ELEVATION
SCALE: 1/8"= 1'-0"



EAST ELEVATION
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WEST ELEVATION
SCALE: 1/8"= 1'-0"



NORTH ELEVATION
SCALE: 1/8"= 1'-0"

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(760) 953 - 4556

GoodWay Design and Drafting
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PALM DESERT, CA 92211
Ramon Gutierrez (760)485-7003 / ramongwd@gmail.com
Adolfo Gutierrez (760)898-8210 / adolfogwd@gmail.com

NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

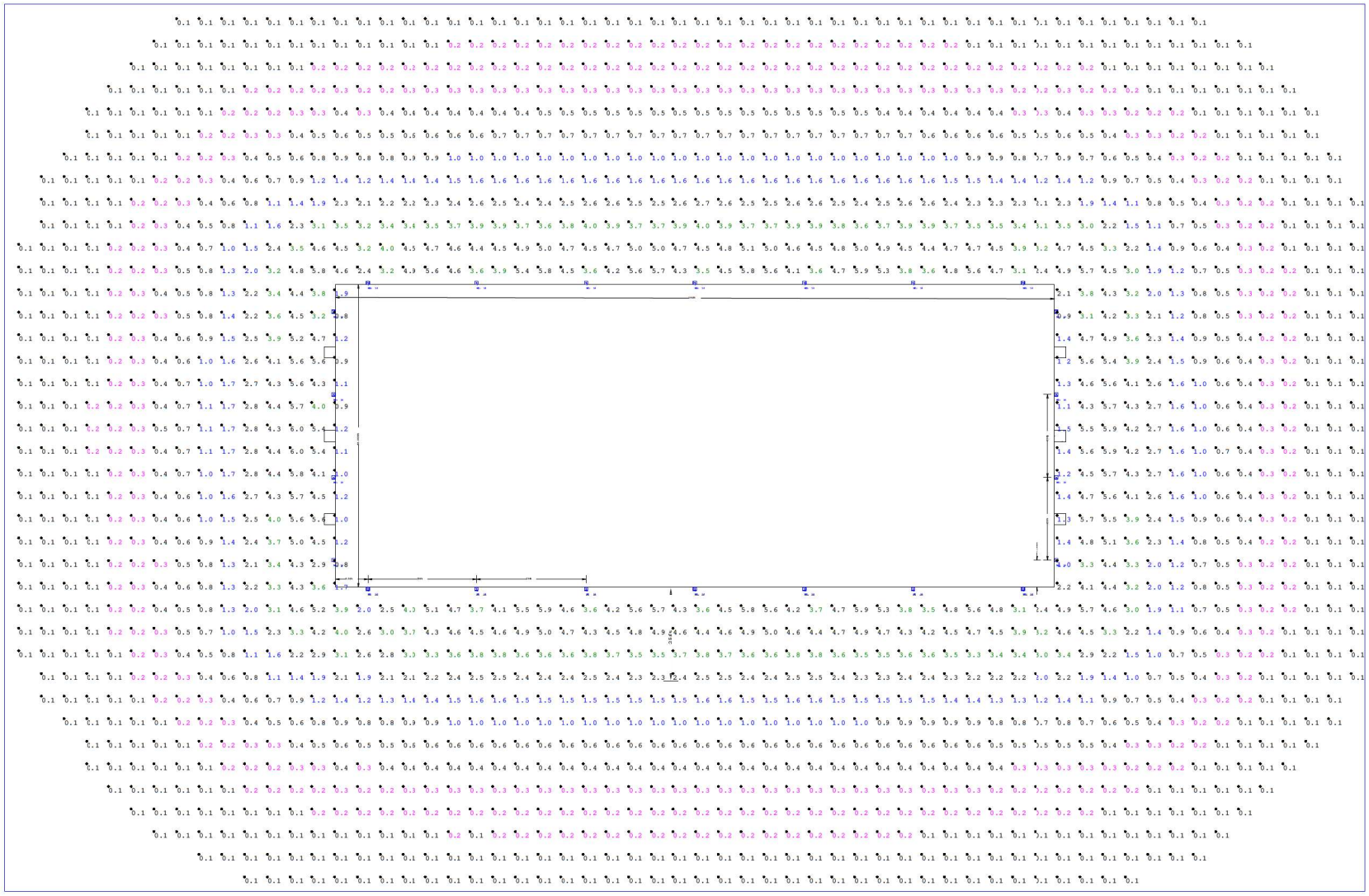
APN# 778-420-0134
COACHELLA, CA 92236

TITLE

WAREHOUSE COLOR ELEVATIONS

DATE	APR. 2025
DRN. BY	R.G.
SCALE	AS NOTED
APPROVED	

SHEET NO
A3



				(REV1) OUTDOOR-WAREHOUSE ARMTEC			L25048
1	UPDATED/CHANGED LAYOUT	CC	2/19/2025	GENLYTE SOLUTIONS a Signify business	1 Van De Graaff Drive Burlington, MA 01803	By : CC	Date:2/19/2025	A-4
REV	REVISION DESCRIPTION	BY	DATE			SFID :	Units: Feet	
						Filename: L25048-OUTDOOR WAREHOUSE ARMTEC.AGI		

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Results Summary

Luminaire Schedule					
Symbol	Qty	Label	Description	LLF	Luminaire Lumens
→	22	D	PWS-C-A03-NW-G2-4-UNV	0.900	6169

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
pavement_Top_1	Illuminance	Fc	1.21	6.0	0.1	12.10	60.00

GARDCO

Wall Mount

PureForm

LED wall sconce



REV	REVISION DESCRIPTION	BY	DATE
1	UPDATED/CHANGED LAYOUT	CC	2/19/2025

GENLYTE SOLUTIONS a @ignify business

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Burlington, MA 01803

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(REV1) OUTDOOR-WAREHOUSE ARMTEC

L25048

By : CC | Date:2/19/2025

SFID : | Units: Feet

Filename: L25048-OUTDOOR WAREHOUSE ARMTEC.AGI

A-5

Nudura®

TREMCO Construction Products Group

Nudura®ICFs are a proven method of providing you a better alternative to traditional building methods

Buildings today demand reliable, energy efficient and eco-friendly walls that provide superior performance to minimize energy costs, reduce carbon emissions and maximize property value. Structures made of Nudura®Insulated Concrete Forms (ICFs) offer superior strength, disaster resilience, sound and fire-resistance and energy efficiency. This is why the design community, developers, builders and contractors across the world continue to choose Nudura's ICFs and insulation products as a proven alternative to traditional building methods.

Nudura products provide the freedom and versatility to design and build projects the way they are envisioned. Designing and building with Nudura gives you the opportunity to build faster with more design flexibility, while offering an eco-friendly structure with substantial benefits that contribute to long-term energy savings. When choosing Nudura ICFs you can rest assured you have chosen the best building solution available today.

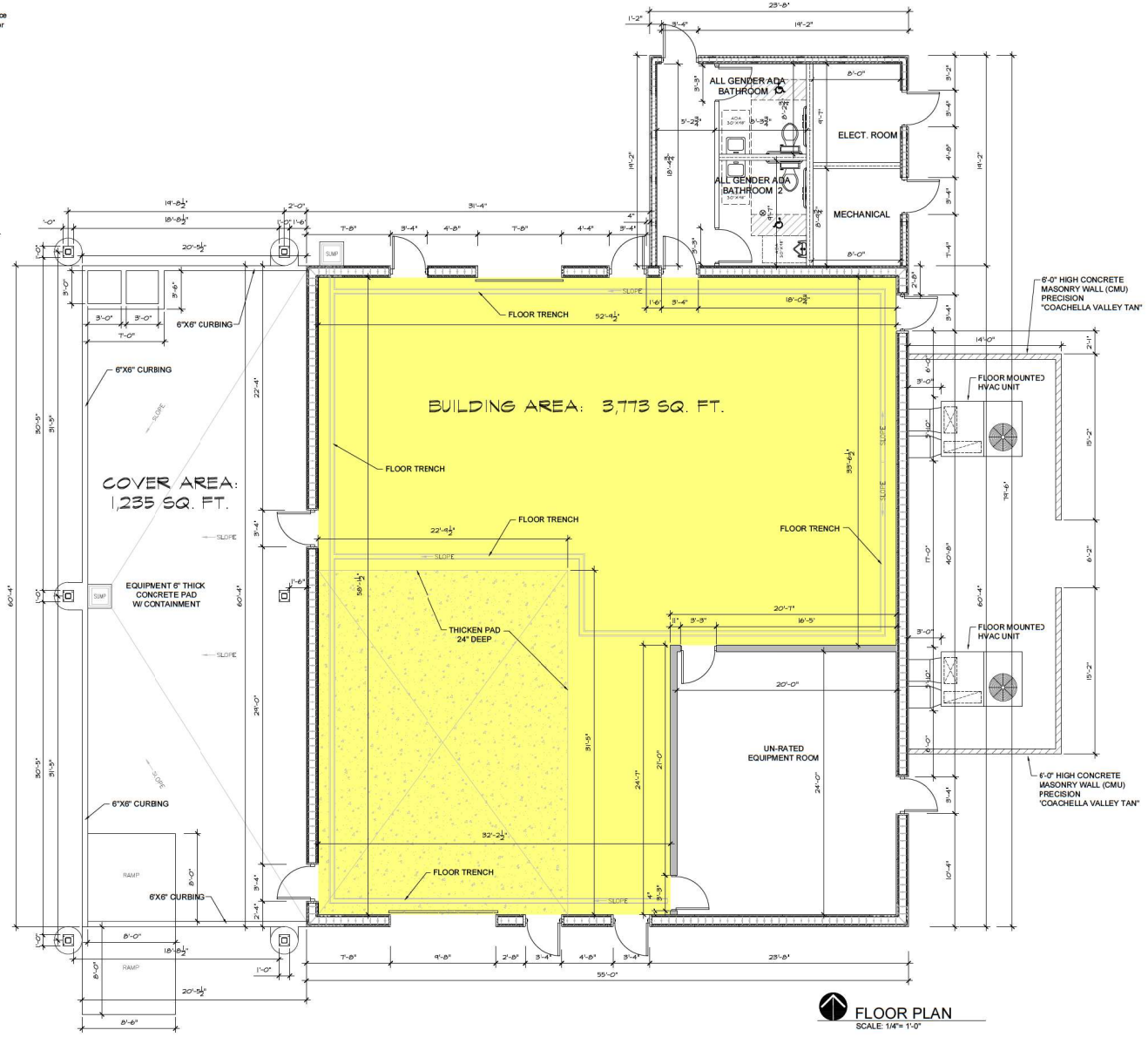
Nudura is now proudly part of Tremco Construction Products Group (CPG). A Tremco CPG single-source building envelope means more for everyone - more satisfied contractors, more comfortable occupants or tenants and more efficient structures and cost-effective operation for building owners.



INSULATED CONCRETE FORM (ICF BLOCKS)

BUILDING DATA RESEARCH & DEVELOPMENT (SOUTHERN PARCEL)

- ASSESSOR'S PARCEL NUMBER 778-390-008
- ZONED (M-H) HEAVY INDUSTRIAL. ENGINEERING RESEARCH, TESTING FIRMS, & LABORATORIES USES ARE PERMITTED.
- PROPOSED TYPE V-B CONSTRUCTION. LABORATORY WILL REQUIRE A 2HR FIRE RATED WALLS & ROOF ASSEMBLY.
- BUILDING AREA : 3,773 SQ.FT.
- COVERED AREA : 1,235 SQ.FT.
- SINGLE STORY (26'-8" APPROXIMATE HEIGHT)



FLOOR PLAN
SCALE: 1/4"= 1'-0"

LEGEND

- HAZARDOUS AREA
- INSULATED CONCRETE (ICF) BLOCKS 4" FORM
- ICF BLOCKS 8" FORM
- INTERIOR WALL 3-5/8" 20 GA. METAL STUD @ 16" O.C. WITH 5/8" DRYWALL BOTH SIDES UP TO BOTTOM OF TRUSSES AND R-13 FIBERGLASS BATT INSULATION.
- INTERIOR PLUMBING DEMISING WALL, 6" 20 GA. METAL STUD @ 16" O.C. WITH 5/8" DRYWALL BOTH SIDES UP TO BOTTOM OF TRUSSES AND R-13 FIBERGLASS BATT INSULATION.
- INTERIOR WALL, 6" 16 GA. METAL STUD @ 16" O.C. WITH 5/8" FIRE RATED GYPSUM BOARD BOTH SIDES UP TO BOTTOM OF TRUSSES AND R-13 FIBERGLASS BATT INSULATION.
- 6'-0" HIGH PRECISION CMU WALL SCREEN WALL FOR MECHANICAL EQUIPMENT

NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

85901 AVENUE 51
COACHELLA, CA 92236

TITLE

FLOOR PLAN RESEARCH & DEVELOPMENT

DATE	SHEET NO.
APR. 2025	A6
DRN. BY R.G.	
SCALE AS NOTED	
APPROVED	

DESERT CONCEPTS CONSTRUCTION Inc.
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ROOF NOTES

⇨ INDICATES DIRECTION OF SLOPE. SLOPE 2/12 WHEN APPLICABLE

NOTE: ALL FLASHING, COUNTERFLASHING AND COPING WHEN OF METAL SHALL BE NOT LESS THAN NO. 26 GA.

ROOF ASSEMBLY SHALL HAVE A CLASS 'A' FIRE RATING.

T.O.P. - TOP OF PARAPET

T.O.S. - TOP OF SHEATHING

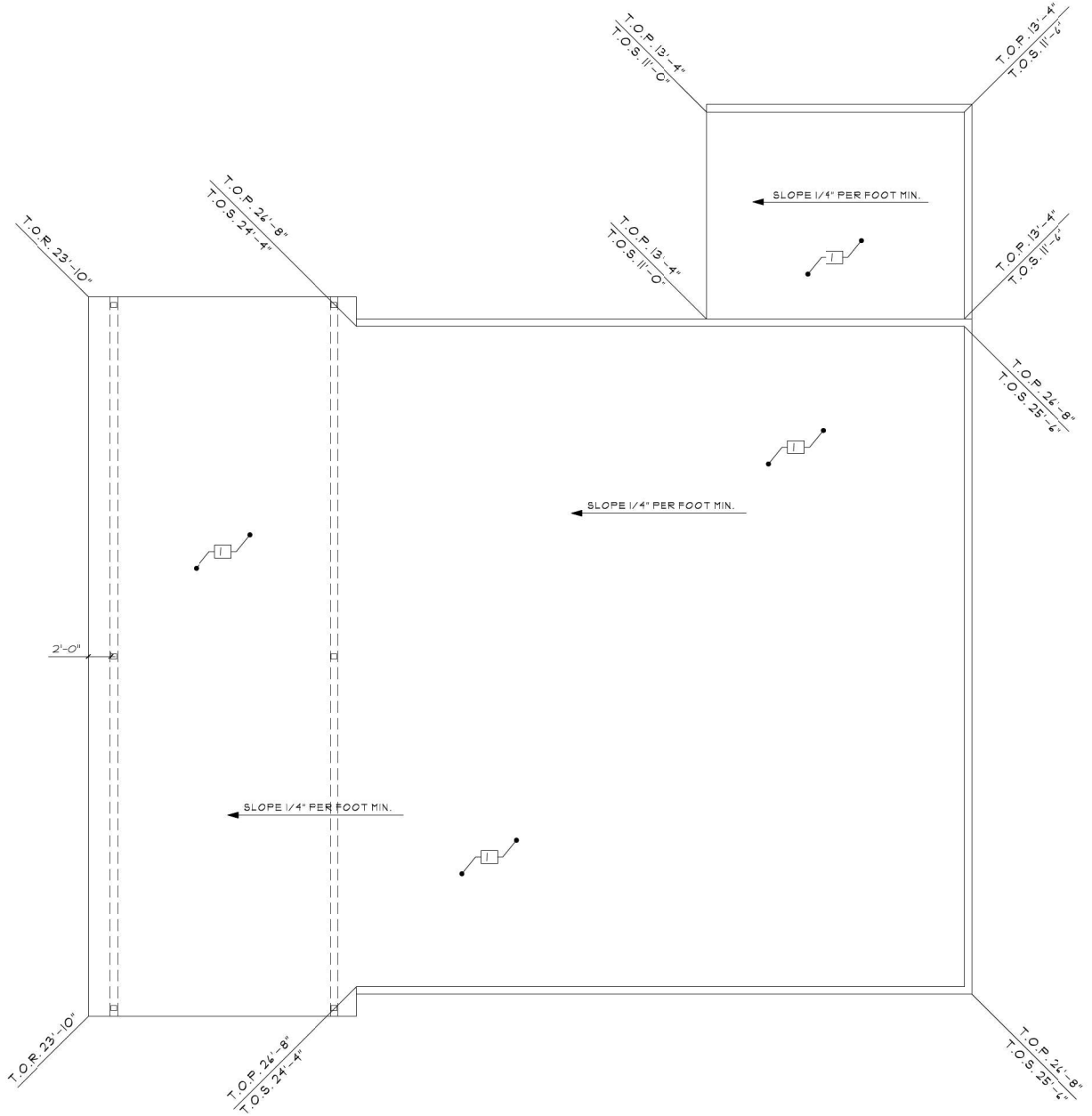
T.O.R. - TOP OF ROOF

NOTE

INSTALLATION OF ROOFING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ROOF KEY NOTES

1 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING, CLASS-"A"



RESEARCH & DEVELOPMENT ROOF PLAN
SCALE: 1/4"= 1'-0"

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NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

85901 AVENUE 53
COACHELLA, CA 92236

TITLE

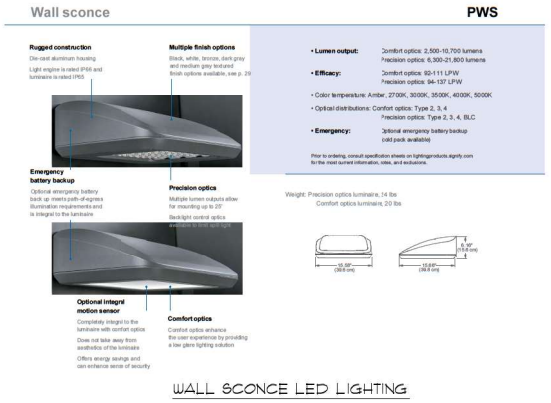
ROOF PLAN RESEARCH & DEVELOPMENT

DATE	APR. 2025
DRN. BY	R.G.
SCALE	AS NOTED
APPROVED	

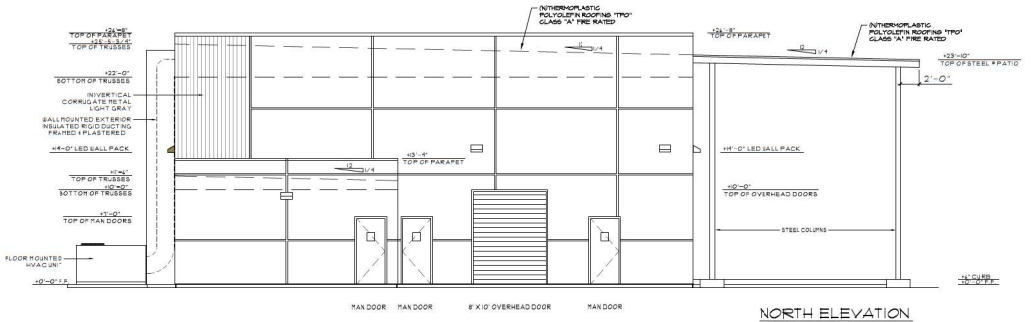
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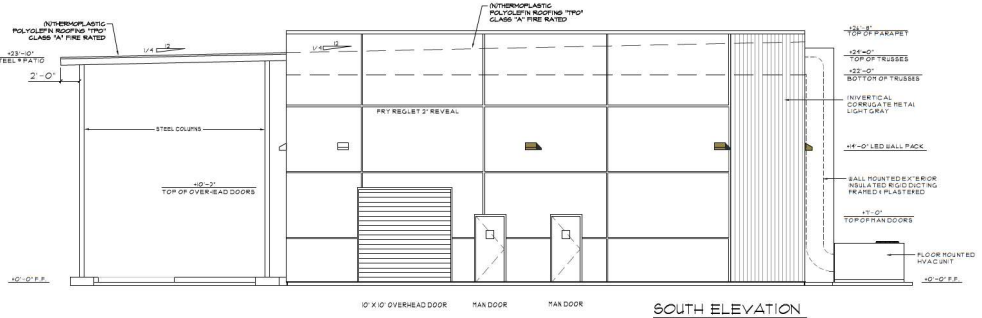
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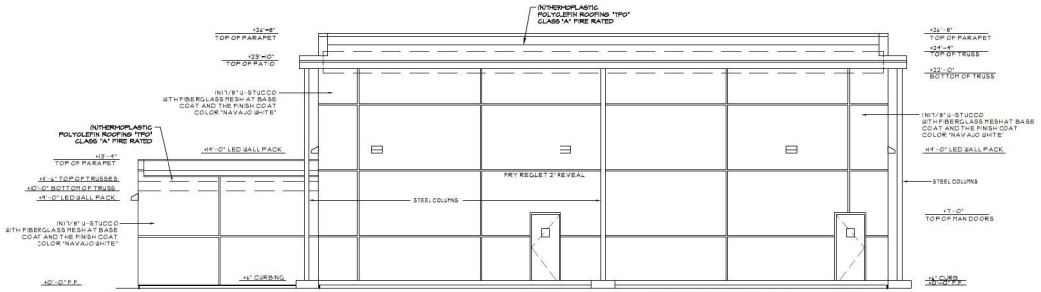
WALL SCONCE LED LIGHTING



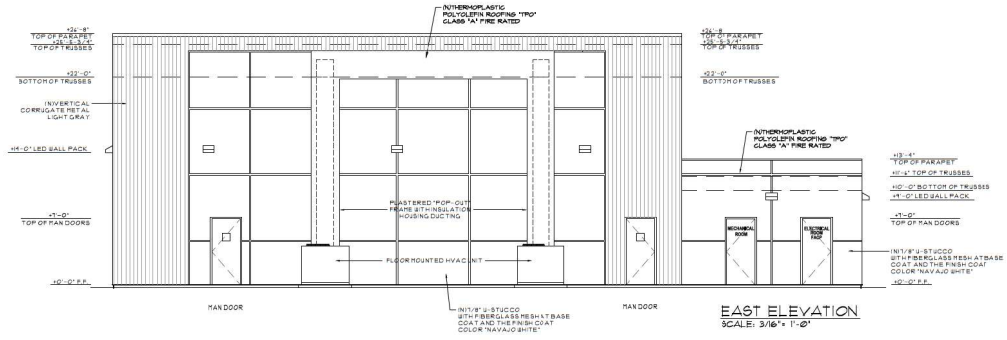
NORTH ELEVATION
SCALE: 3/16" = 1'-0"



SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION
SCALE: 3/16" = 1'-0"



EAST ELEVATION
SCALE: 3/16" = 1'-0"

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NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

85901 AVENUE 53
COACHELLA, CA 92236

TITLE

RESEARCH & DEVELOPMENT ELEVATIONS

DATE	APR. 2025
DRN. BY	R.G.
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Wall sconce

PWS

Rugged construction
Die-cast aluminum housing
Light engine is rated IP66 and luminaire is rated IP65

Multiple finish options
Black, white, bronze, dark gray and medium gray textured finish options available, see p. 23

Emergency battery backup
Optional emergency battery back up meets path-of-egress illumination requirements and is integral to the luminaire

Precision optics
Multiple lumen outputs allow for mounting up to 20'
Backlight control optics

Optional integral motion sensor
Completely integral to the luminaire with comfort optics
Does not take away from aesthetics of the luminaire
Offers energy savings and can enhance sense of security

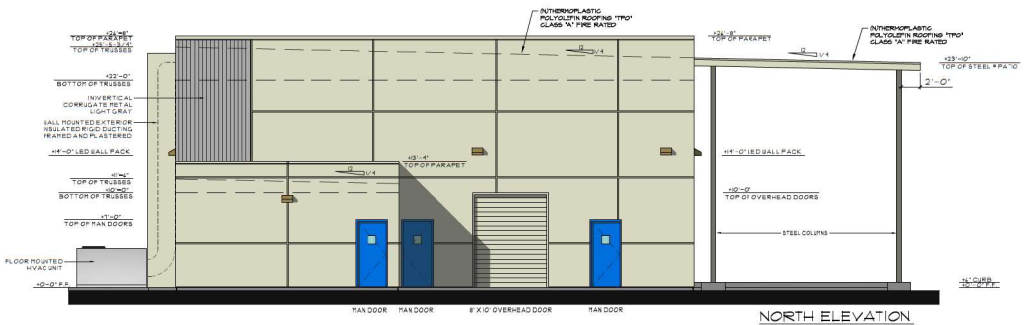
Comfort optics
Comfort optics enhance the user experience by providing a low glare lighting solution

- **Lumen output:** Comfort optics: 2,500-10,700 lumens; Precision optics: 6,300-21,800 lumens
- **Efficacy:** Comfort optics: 92-111 LPW; Precision optics: 94-137 LPW
- Color temperature: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Optical distributions: Comfort optics: Type 2, 3, 4; Precision optics: Type 2, 3, 4, BLC
- **Emergency:** Optional emergency battery backup (cold pack available)

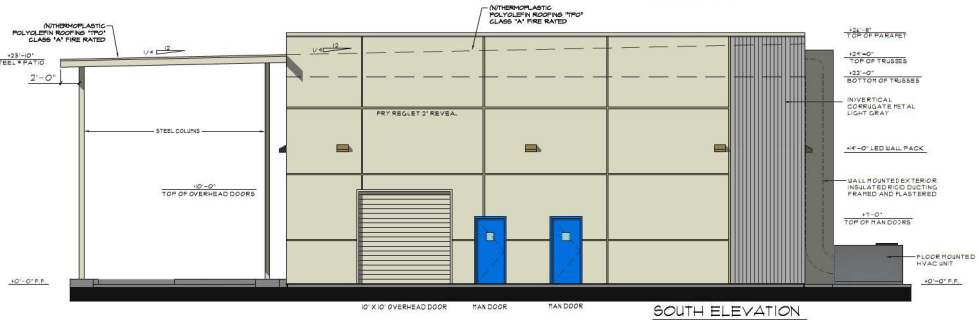
Prior to ordering, consult specification sheets on lightingproducts.signify.com for the most current information, notes, and exclusions.

Weight: Precision optics luminaire, 24 lbs
Comfort optics luminaire, 20 lbs

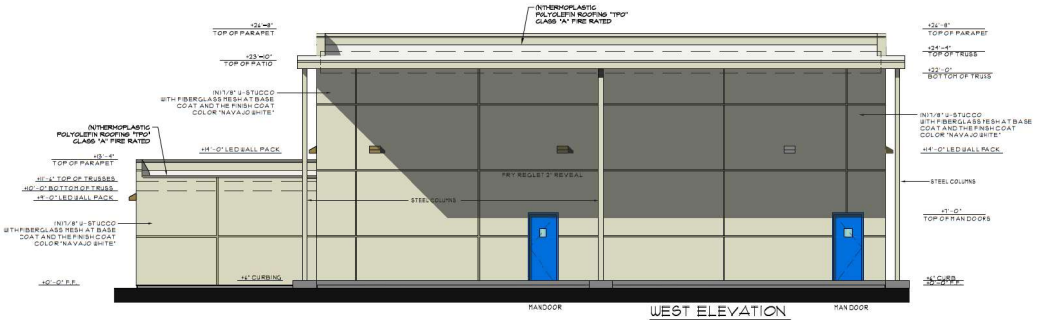
LED WALL PACK LIGHTING



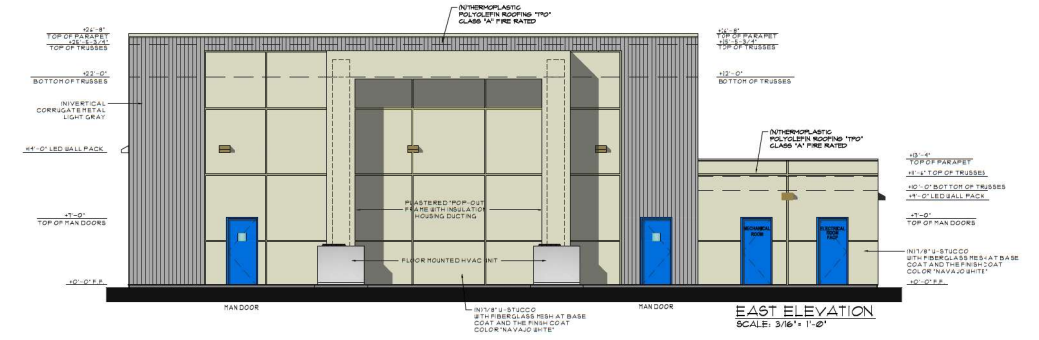
NORTH ELEVATION
SCALE: 3/16"= 1'-0"



SOUTH ELEVATION
SCALE: 3/16"= 1'-0"



WEST ELEVATION
SCALE: 3/16"= 1'-0"



EAST ELEVATION
SCALE: 3/16"= 1'-0"

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NO.	DATE	REVISIONS

PROJECT: AN INDUSTRIAL BUILDING FOR:

ARMTEC DEFENSE TECHNOLOGIES

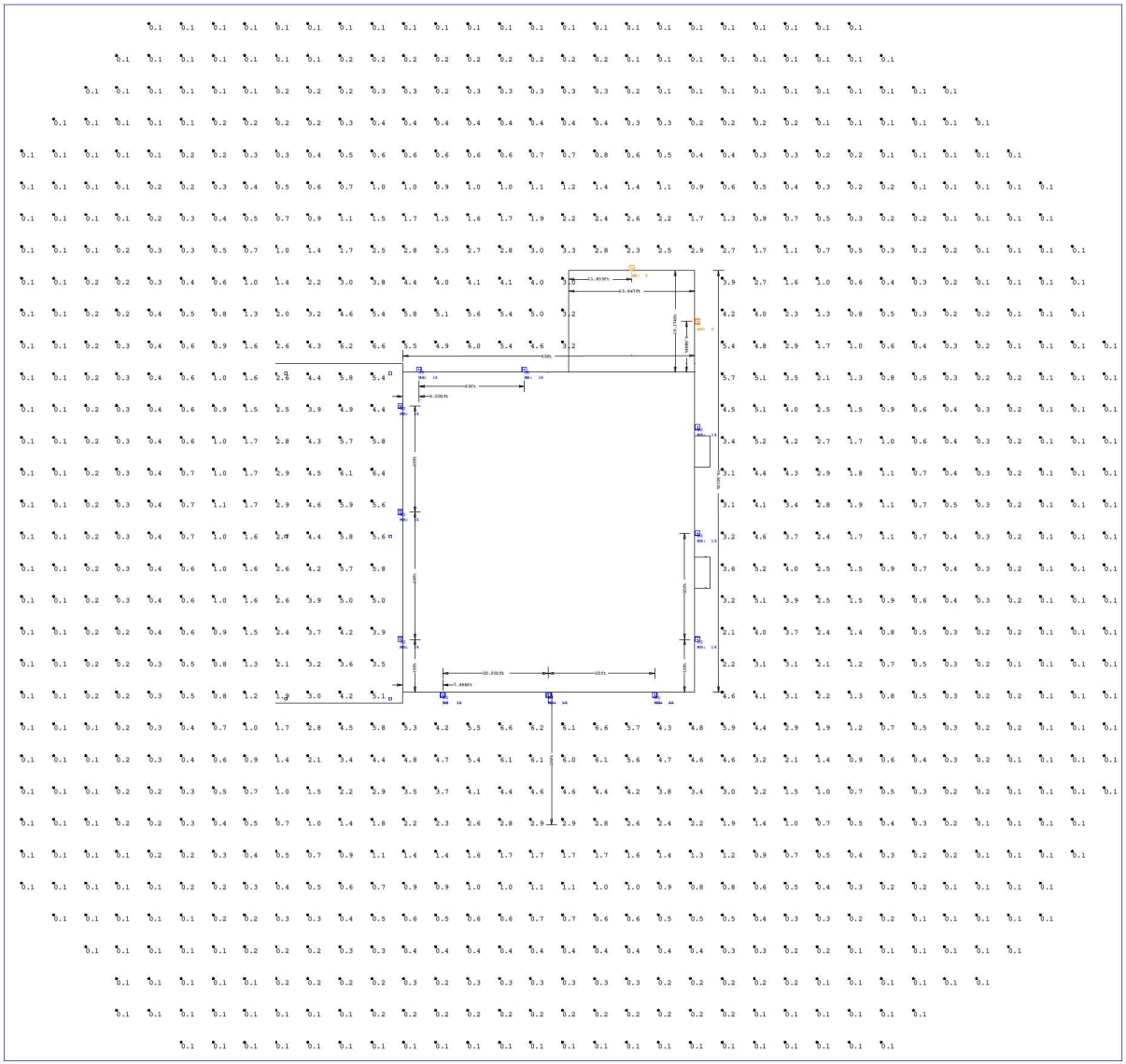
85901 AVENUE 53
COACHELLA, CA 92236

TITLE

RESEARCH & DEVELOPMENT COLOR ELEVATIONS

DATE	APR. 2025
DRN. BY	R.G.
SCALE	AS NOTED
APPROVED	

SHEET NO
A9



REV	REVISION DESCRIPTION	BY	DATE
1	UPDATED/CHANGED LAYOUT	CC	2/19/2025

GENLYTE SOLUTIONS
a Signify business

1 Van De Graaff Drive
Burlington, MA 01803

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(REV1) OUTDOOR-BLDG 3D ARMTEC

By : CC	Date:2/19/2025
SFID :	Units: Feet
Filename: L25048-OUTDOOR BLDG 3D ARMTEC REV1.AGI	

L25048

A-10

Results Summary

Luminaire Schedule					
Symbol	Qty	Label	Description	LLF	Luminaire Lumens
	11	D2	PWS-C-A03-NW-G2-4-UNV	0.900	6169
	2	D	PWS-C-A01-NW-G2-4-UNV	0.900	2464

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAVEMENT_Top_1	Illuminance	Fc	1.14	6.6	0.1	11.40	66.00

GARDCO

Wall Mount

PureForm

LED wall sconce



REV	REVISION DESCRIPTION	BY	DATE
1	UPDATED/CHANGED LAYOUT	CC	2/19/2025

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(REV1) OUTDOOR-BLDG 3D ARMTEC

L25048

By : CC | Date:2/19/2025

SFID : | Units: Feet

Filename: L25048-OUTDOOR BLDG 3D ARMTEC REVISED FILE 2021

A-11



EXAMPLE OF TEXTURE OF A
TRADITIONAL SAND FINISH STUCCO



EXTERIOR DOOR COLOR ON “MAN DOOR” ONLY
BEHR “OSHA SAFETY BLUE”
15092 AND OR FEDERAL STD. 595c

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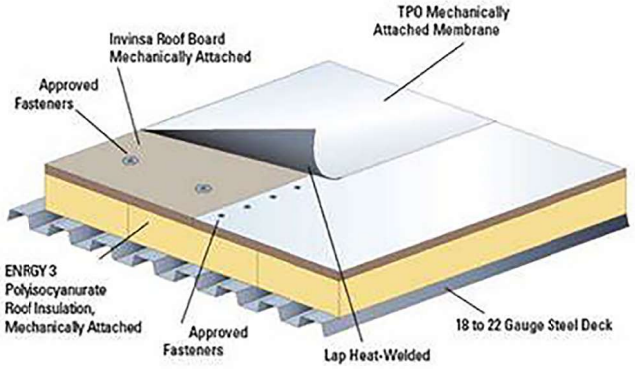
WENDELL W. VEITH
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NO. C5297

GoodWay
Design and Drafting
42-280 BEACON HILL, SUITE D-10
PALM DESERT, CA 92211
Ramon Gutierrez (760)485-7003
Adolfo Gutierrez (760)898-8210

EXTERIOR COLOR BY DUNN EDWARDS
“NAVAJO WHITE”
DEC772



EXAMPLE OF THERMOPLASTIC POLYOLEFIN (TPO) ROOF
CLASS “A” FIRE RATED





ANGELUS BLOCK INC.
PRECISION “COACHELLA VALLEY TAN”
6X8X16 SCREEN WALL FOR
MECHANICAL EQUIPMENT (6FT)

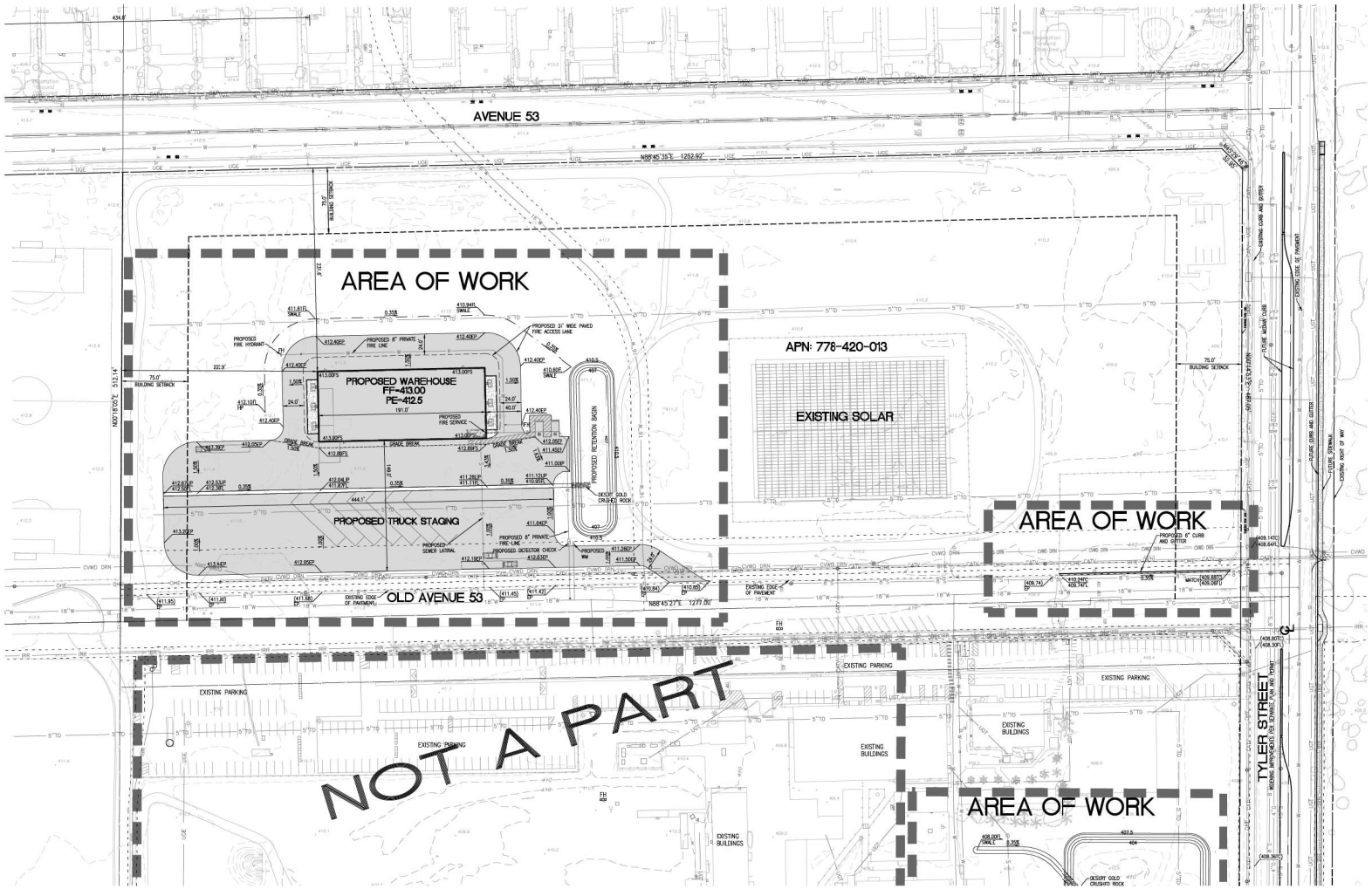


EXAMPLE OF VERTICAL
LIGHT GREY
CORRUGATED RIBBED
SIDING
BY MBCI “7.2 PANEL”
COLOR-”TUNDRA”

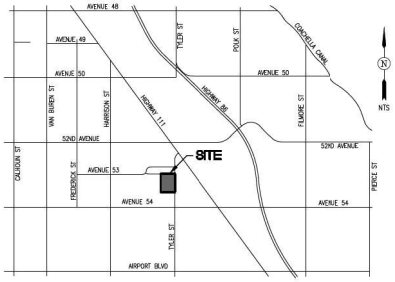
ARMTEC DEFENSE
TECHNOLOGIES
85091 AVENUE 53
COACHELLA, CA. 92236

PRELIMINARY SITE PLAN

IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



SEE SHEET 2



VICINITY MAP
NOT TO SCALE

APPLICANT
ARMTEC DEFENSE TECHNOLOGIES
85-901 AVENUE 53
COACHELLA, CA 92236
MIGUEL.BADENA@ARMTECDEFENSE.COM
CONTACT: MIGUEL BADENA

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RAMON GUTIERREZ
42-280 BEACON HILL, SUITE D-10
PALM DESERT, CA 92211
TEL: (760) 485-7003

ASSESSOR'S PARCEL NO's
778-420-013 & 778-390-008

SITE ADDRESS
85901 AVENUE 53
COACHELLA, CA 92236

Apr 21, 2025

LEGEND

- EASEMENT LINE
- RIGHT OF WAY LINE
- EXISTING CENTERLINE
- G — EXISTING GAS LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- W — PROPOSED WATER LINE
- S — PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE

GRAPHIC SCALE
SCALE 1"=50'
0 25 50 100 150 200

PREPARED BY:
The Altum Group
ENGINEERING | PLANNING | SURVEY | ENVIRONMENTAL
44-600 Village Court, Suite 100
Palm Desert, CA 92260
t.760.346.4750 f. 760.340.0089
TheAltumGroup.com

CITY OF COACHELLA, CALIFORNIA

PRELIMINARY SITE PLAN

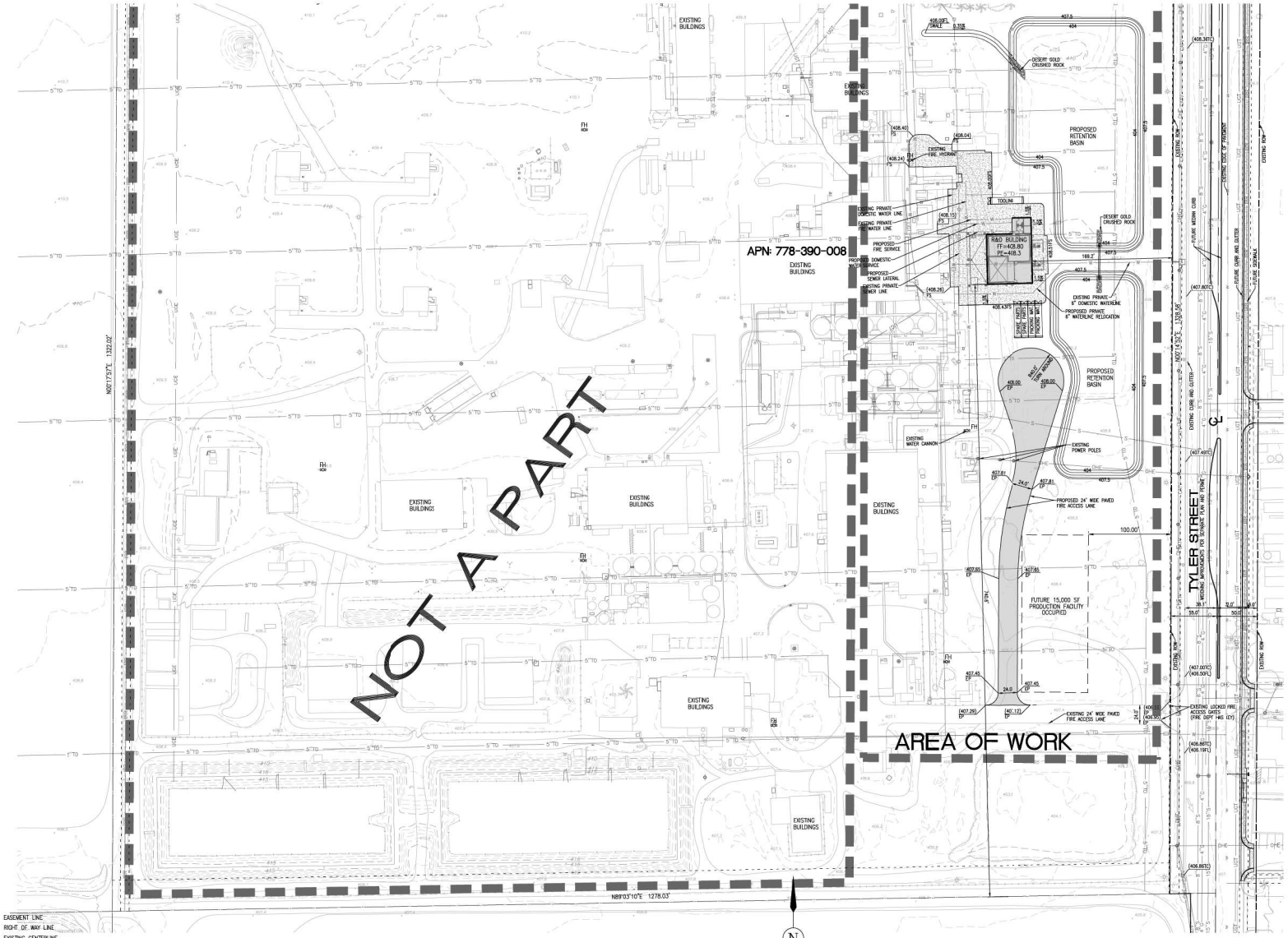
FOR: ARMTEC DEFENSE TECHNOLOGIES

SHEET NO. SP1

PRELIMINARY SITE PLAN

IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

SEE SHEET 1

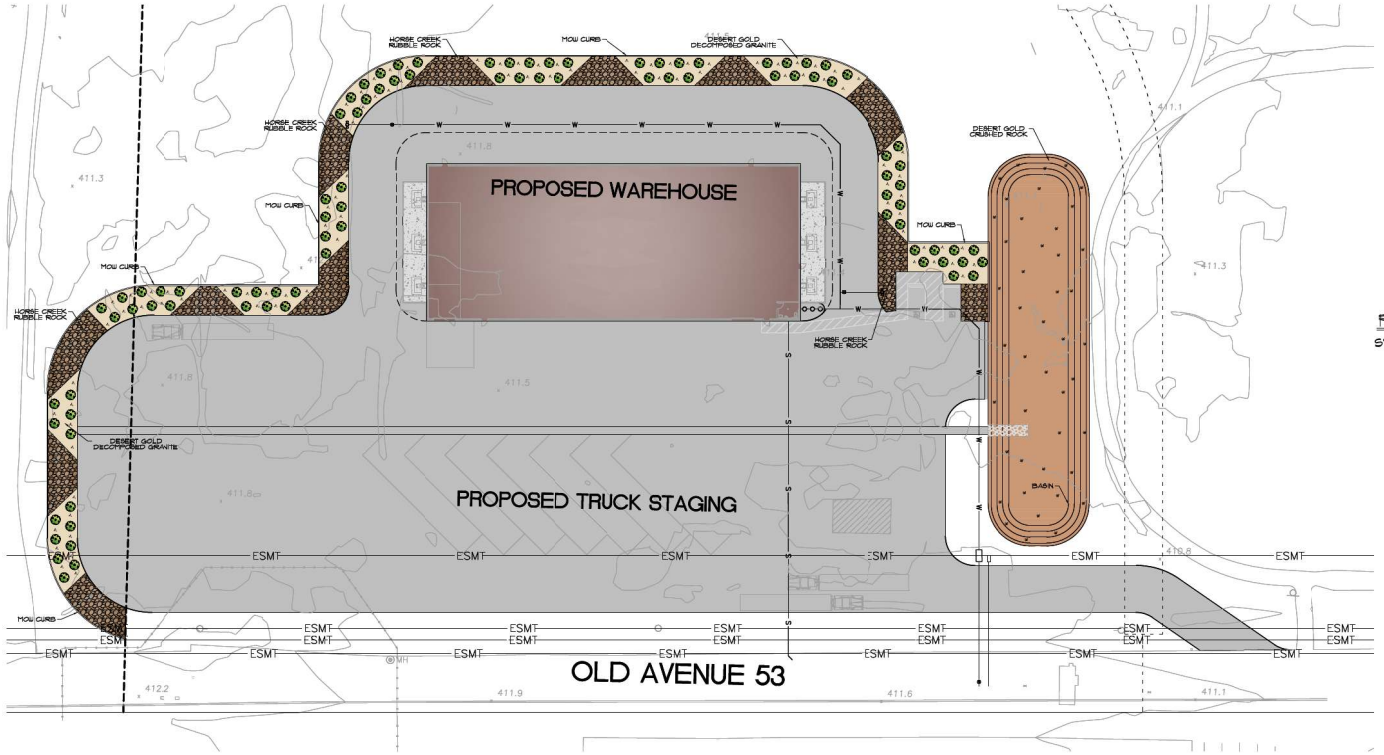


LEGEND

- EASEMENT LINE
- RIGHT OF WAY LINE
- EXISTING CENTERLINE
- G — EXISTING GAS LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- W — PROPOSED WATER LINE
- S — PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE

Apr 21, 2025

PREPARED BY: The Altum Group — ENGINEERING | PLANNING | SURVEY | ENVIRONMENTAL 44-600 Village Court, Suite 100 Palm Desert, CA 92260 t.760.346.4750 f. 760.340.0089 TheAltumGroup.com	CITY OF COACHELLA, CALIFORNIA PRELIMINARY SITE PLAN FOR: ARMTEC DEFENSE TECHNOLOGIES	SHEET NO. SP2



PLANT LIST

SYMBOL	QTY.	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE
GROUNDCOVERS & VINES				
	41	EREMOPHILA GLABRA 'MINGENEW GOLD'	5 GAL.	0.2 LOW
PAVING, STONE, & GRAVEL MATERIALS				
	7,210 S.F.	3/8" MINUS W/ 20% FINES DESERT GOLD STABILIZED DECOMPOSED GRANITE LAID 3" THICK, WETTED & ROLLED COMPACTION CONTRACTOR TO INSTALL WEED BARRIER UNDER ALL GRAVEL MATERIAL		
	9,845 S.F.	3/4" DIA. 'DESERT GOLD' CRUSHED ROCK LAID 2" THICK. CONTRACTOR TO INSTALL WEED BARRIER UNDER ALL GRAVEL MATERIAL.		
	3,405 S.F.	1"-4" DIA. HORSE CREEK. PROVIDE COMPLETE COVERAGE IN DESIGNATED AREAS. CONTRACTOR TO INSTALL WEED BARRIER UNDER ALL GRAVEL MATERIAL.		

NO PERMANENT STRUCTURES OR TREES WITHIN CVWD AND/OR EASEMENTS. CVWD WILL NOT BE RESPONSIBLE FOR DAMAGE OR REPLACEMENT OF ANY SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, DECORATIVE CONCRETE, LANDSCAPING, CURB, GUTTER, SIDEWALKS, PLANTERS, GATES, AND RELATED IMPROVEMENTS INSTALLED WITHIN THE CVWD AND/OR UBBR.

THESE PLANS HAVE BEEN REVIEWED BY THE COACHELLA VALLEY WATER DISTRICT IN ACCORDANCE WITH CALIFORNIA GOVERNMENT CODE, SECTION 65591 ET SEQ. REQUIRING EFFICIENT LANDSCAPE AND IRRIGATION DESIGN IN COOPERATION WITH THE LOCAL GOVERNING AGENCY. (CITY AND COUNTY)

APPROVAL OF THIS DRAWING BY CVWD STAFF DOES NOT CONSTITUTE APPROVAL TO ENCROACH INTO DISTRICT AND UBBR RIGHT OF WAY. TREES, PLANTS, WALLS AND PERMANENT STRUCTURE OF ANY KIND MAY NOT BE PLANTED OR INSTALLED IN CVWD AND UBBR EASEMENTS OR RIGHT-OF-WAY WITHOUT FIRST OBTAINING AN ENCROACHMENT PERMIT FROM CVWD.

DATE _____ WATER MANAGEMENT DEPARTMENT

CVWD PLAN NO. _____ DEVELOPMENT SERVICES DEPARTMENT

0' 30' 60' 90'

SCALE: 1"=30'

HERMANN DESIGN GROUP
77-899 WOLF RD.
SUITE 102
PALM DESERT, CA
92211
LIC# 2754 EXP. 04/30/26
PH. (760) 777-9131
FAX (760) 777-9132

OWNER:
ARMTEC
85901 AVENUE 53
COACHELLA, CA 92236

PROJECT:
ARMTEC BUILDING
ON SITE LANDSCAPE IMPROVEMENTS

REVISIONS	DATE	BY

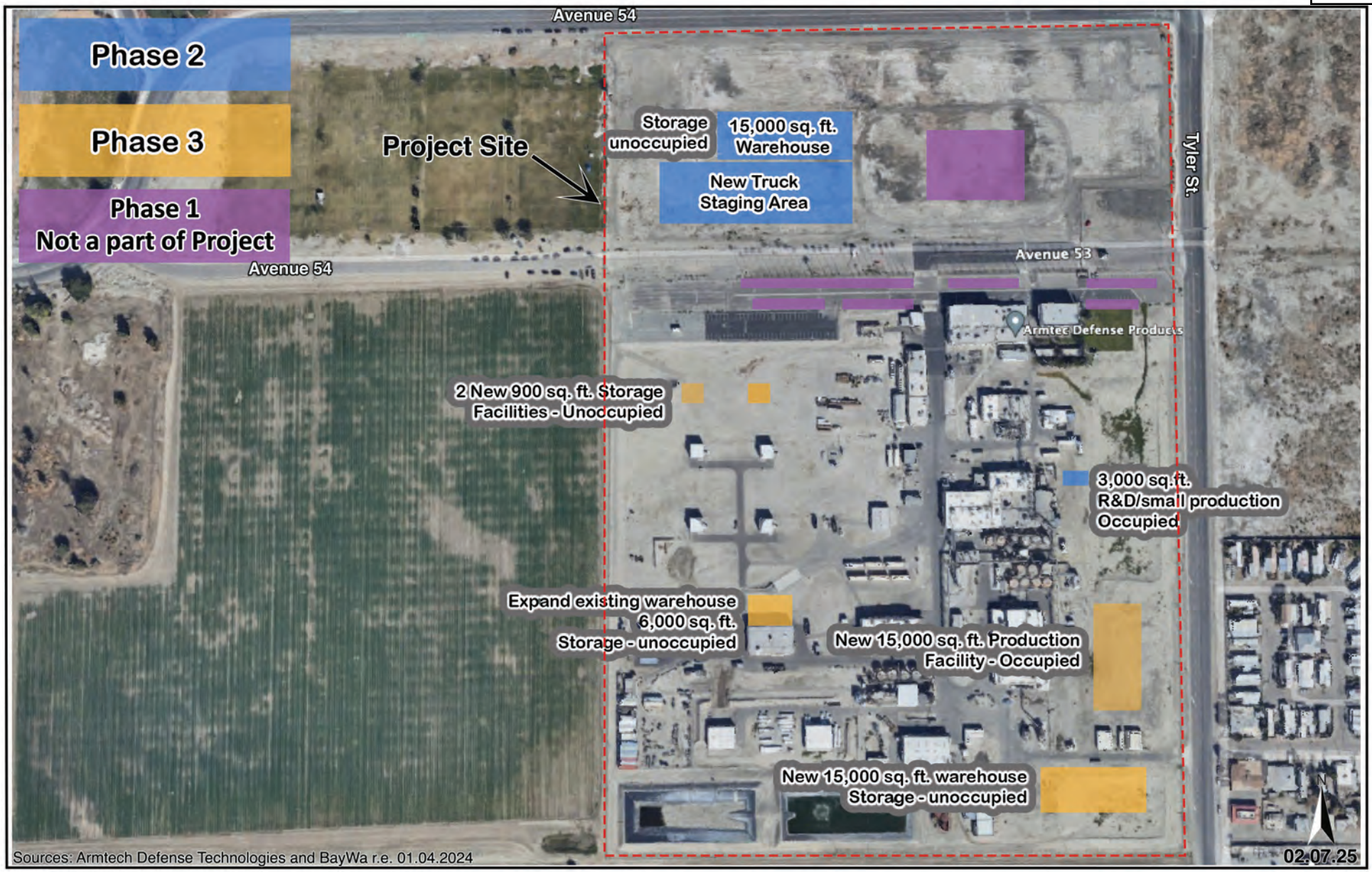
LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER HERMANN
No. 6124
Renewal 4/30/26
STATE OF CALIFORNIA

SHEET TITLE
PRELIMINARY DESIGN

DESIGNED	CG
DRAWN	JL
CHECKED	-
DATE	5/1/25
SCALE	1"=30'
JOB NO.	-

SHEET
L1.0
OF 1 SHEETS

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Project Master Plan
Armtech Expansion Master Plan
Coachella, California

Exhibit
3

INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

ARMTEC EXPANSION MASTER PLAN

Environmental Assessment 25-01
Conditional Use Permit 389
Architectural Review 25-02

Applicant:

Armtec Defense Products Co.
85901 Avenue 53
Coachella, CA 92236

Lead Agency:

City of Coachella
53990 Enterprise Way
Coachella, CA 92236

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CITY OF COACHELLA
CEQA Environmental Checklist & Environmental Assessment

	INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

Project Title:	Armtec Expansion Master Plan
Case No.	EA 25-01, CUP 389, AR 25-02
Assessor's Parcel No.	778-420-013, 778-390-008
Lead Agency Name and Address:	City of Coachella – Planning Division 53990 Enterprise Way Coachella, California 92236
Project Location:	Armtec Defense Technologies 85901 Avenue 53, Coachella, California 92236
Project Sponsor's Name and Address:	Armtec Defense Products Co. 85901 Avenue 53 Coachella, CA 92236
General Plan Designation(s):	Urban Employment, Industrial District
Zoning:	Urban Employment (U-E), Heavy Industrial (M-H)
Contact Person:	Adrian Moreno, Associate Planner amoreno@coachella.org
Phone Number:	760-398-3502 Ext: 118
Date Prepared	May 27, 2025

PROJECT DESCRIPTION

Purpose of the Initial Study:

The City of Coachella, as Lead Agency under the California Environmental Quality Act (CEQA), is preparing an Initial Study (IS) for the proposed Armtec Expansion Master Plan Project, referred to as "the Project" or "the proposed Project" in this document.

The Initial Study has been prepared in accordance with CEQA, Public Resources Code Section 21000 et seq., State CEQA Guidelines. Section 15063(c) of the CEQA Guidelines defines an Initial Study as the proper preliminary method of analyzing the potential environmental consequences of a project. To paraphrase from this Section, the relevant purposes of an Initial Study are:

1. To provide the Lead Agency with the necessary information to decide whether to prepare an Environmental Impact Report (EIR) or a Mitigated Negative Declaration (MND);
2. To enable the Lead Agency to modify a project, mitigating adverse impacts, thus avoiding the need to prepare an EIR; and
3. To provide sufficient technical analysis of the environmental effects of a project to permit a judgment based on the record as a whole, that the environmental effects of a project have been adequately mitigated.

Project Location:

Armtec Defense Technologies (Armtec) is located at 85901 Avenue 53 in Coachella, Riverside County, CA. (Exhibits 1 and 2). The Project site consists of two parcels totaling approximately 52.65 acres in size, identified by assessor's parcel numbers (APNs) 778-420-013 (14.96 acres) and 778-390-008 (37.69 acres).

The northern parcel is designated "Urban Employment" on the 2035 General Plan land use map and is zoned for "Urban Employment" (U-E). The southern parcel is designated "Industrial District" on the General Plan land use map and zoned for "Heavy Industrial (M-H)."

Existing Conditions

Armtec's manufactures state of the art combustible ordinance products. Its existing operations include production facilities, research and development, and storage warehouses. Armtec's existing industrial and manufacturing operations are located on the southern parcel (APN: 778-390-008). The northern parcel (APN: 778-420-013) contains a ±33,900 SF ground mounted solar grid located on the eastern half of the parcel. The solar facility is connected to equipment on the southern parcel, including seven solar covered parking canopies.

Project Description:

The proposed Project is Phase 2 and Phase 3 of the three phase Armtec Expansion Master Plan (Exhibit 3: Project Master Plan). Phase 1 of the Master Plan, which is not part of the Project, was the construction of the solar grid located on the northern parcel and seven solar parking canopies. Phase 1 was completed in early 2025.

Phase 2 includes the construction of a new 15,000 SF storage warehouse, a ±73,200 truck staging area and 9,900 SF retention basin on the northern parcel (Exhibit 4), and a new 3,000 SF research and development (R&D) and production facility and two retention basins totaling 65,750 SF on the southern parcel (Exhibit 5). Phase 2 elevations show the storage warehouse building with a maximum building height of 31 feet 6.5 inches to top of ridge, and the R&D and production facility with a maximum building height of 29 feet 5 inches to top of ridge. On the northern parcel, an all-season fire access road will be constructed on the north and east side of the storage warehouse building. On the southern parcel, an all-season fire access road will extend approximately 400 feet north from an existing on-site dirt road towards the proposed R&D building. Phase 2 includes an Architectural Review (AR 25-02) of all proposed Phase 2 structures and the three retention basins, and a Conditional Use Permit (CUP 389) to allow the storage warehouse building and truck staging area on the northern parcel zoned U-E, and to allow the R&D and production building on the southern parcel zoned M-H.

Phase 3 includes the construction of a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse, all located on the southern parcel. The timing for construction of Phase 3 is currently undetermined. Future site plans for the Phase 3 portion of the Project will be required to undergo a separate Architectural Review prior to approval, and a CUP will be required to allow the production facility on the southern parcel zoned M-H.

In total, the Project proposes 37,800 SF in new storage facilities, 3,000 SF in new research and development/small production facilities, 15,000 SF in new production facilities, a ±73,200 SF truck staging area, and three retention basins. The operation of the new buildings will be managed by existing staff, and the Project does not include plans to hire additional employees.

Access to the Project will be provided via the Armtec main entrance, which is an existing full access driveway on Tyler Street, south of Avenue 53. On-site parking is currently provided by existing Armtec facilities. In addition to the proposed site improvements, off-site improvements include the widening of Tyler Street which includes road expansion, new asphalt, median and landscaping improvements, curb, gutter, and a separated sidewalk between Avenue 53 and Tyler Lane. Tyler Street will be widened by 19 feet to the east from Avenue 53 to the southern Armtec property line, covering approximately 1,830 linear feet.

Below is a brief description of the proposed operational activities:

Storage Warehouses: The storage warehouses are designed to house finished goods which consist of a Hazard Class 1.4 explosive material, which present no significant blast hazard. These are explosives that contain no more than 0.9 oz. (25 g) of a detonating material and where the effects are mainly confined to the package, and no projection fragments of substantial size or range are expected. Specifically, these warehouses will store empty combustible cartridge cases of various sizes with no propellant. The storage warehouse will remain unoccupied except when goods are moved in and out of the structure.

R&D Facilities: The R&D facility will be used to develop small quantities of combustible materials in various configurations. Hazardous materials will consist primarily of nitro-cellulose. No hazardous materials will be stored in the building. Occupancy of the Phase 2, 3,000 SF building will be strictly regulated, and occupancy is expected to be limited to approximately 8 persons. Ancillary storage containers measuring 40' x 8' x 8' may be placed in proximity to the Phase 2 R&D facility, however these storage containers would be for non-hazardous materials including tooling, spare parts, and packing materials.

Production Facilities: The production facility produces a variety of combustible ordnance products. These facilities include or contain research and development equipment, chemical evaluation laboratories, engineering services, quality control operations, high volume production, and safety and security services.

Safety protocols established by the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) require the proposed buildings be constructed as a Type 4 magazine which consist of formed and poured concrete construction with reinforced roofs (ATF 27 CFR § 555.203 and 27 CFR § 555.210). The physical security of proposed facilities and access points shall be in accordance with the Department of Defense Manual (DoDM 5100.76) specific to AA&E security (Arms, Ammunition, and Explosives). The proposed buildings will be placed beyond the required safety distances for Hazard Class (HC) 1.4 "low explosives," which require an inhabited-building distance (IBD) of 100 ft from inhabited buildings or public traffic routes.[1]

[1] Safety regulations per DoD 4145.26-M, DOD 6055.09-STD, DOD 5100.76M, California Code of Regulations, Title 8, Section 5189, Bureau of Alcohol Tobacco, Firearms and Explosives (ATF), Title 27 Part 555 & Title 29, Code of Federal Regulations, 1910.109

Surrounding Land Uses

Land uses nearby and adjacent to the site include:

North: Avenue 53, single-family residential.
South: Agricultural field
West: Soccer field, agricultural field.
East: Tyler Street, vacant land, single family residential and mobile homes (mobile home park).

Other public agencies whose approval is required: N/A



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Vicinity Map
Armtec Expansion Master Plan
Coachella, California

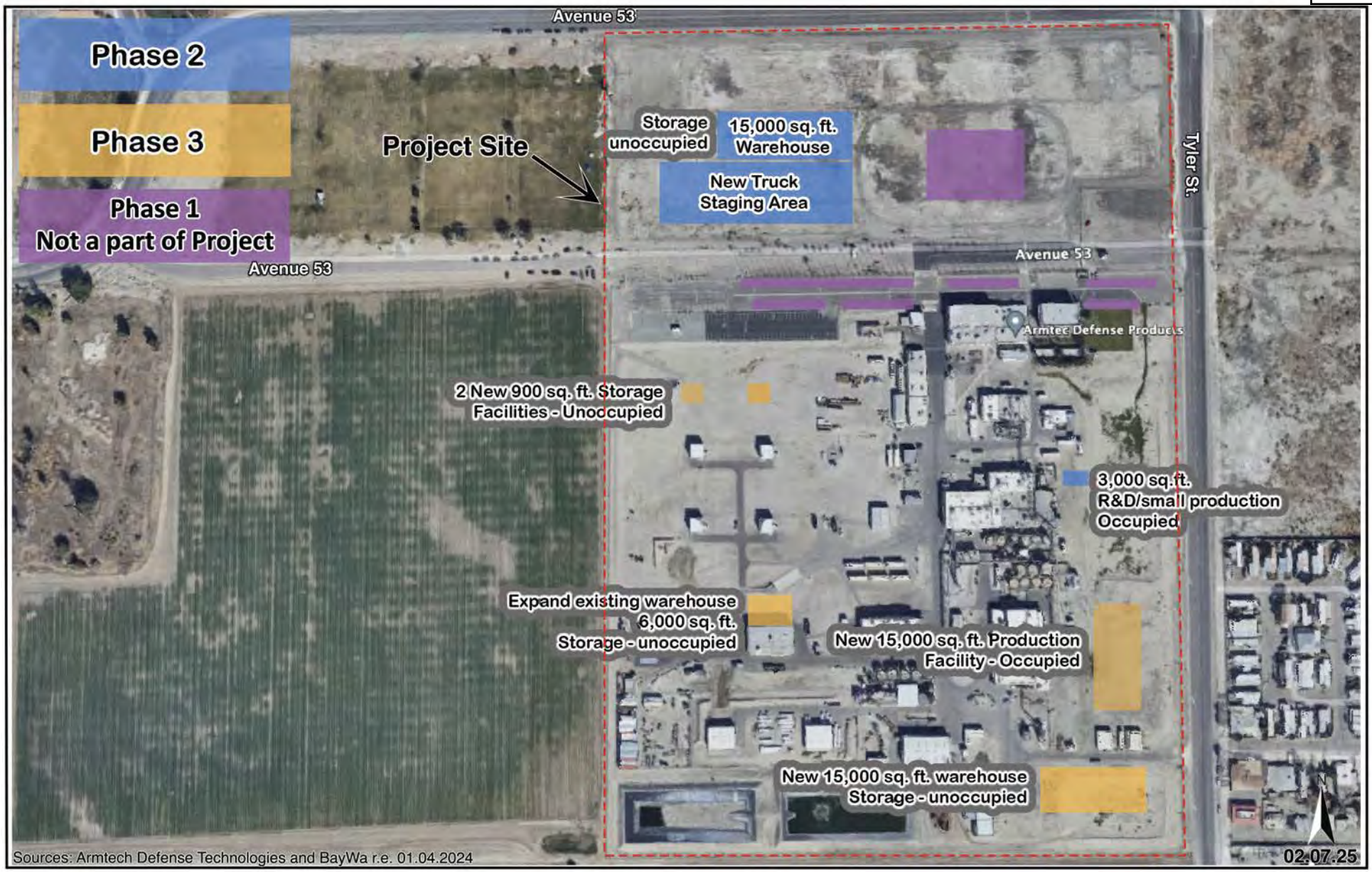
Exhibit
1



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Project Location Map
Armtec Expansion Master Plan
Coachella, California

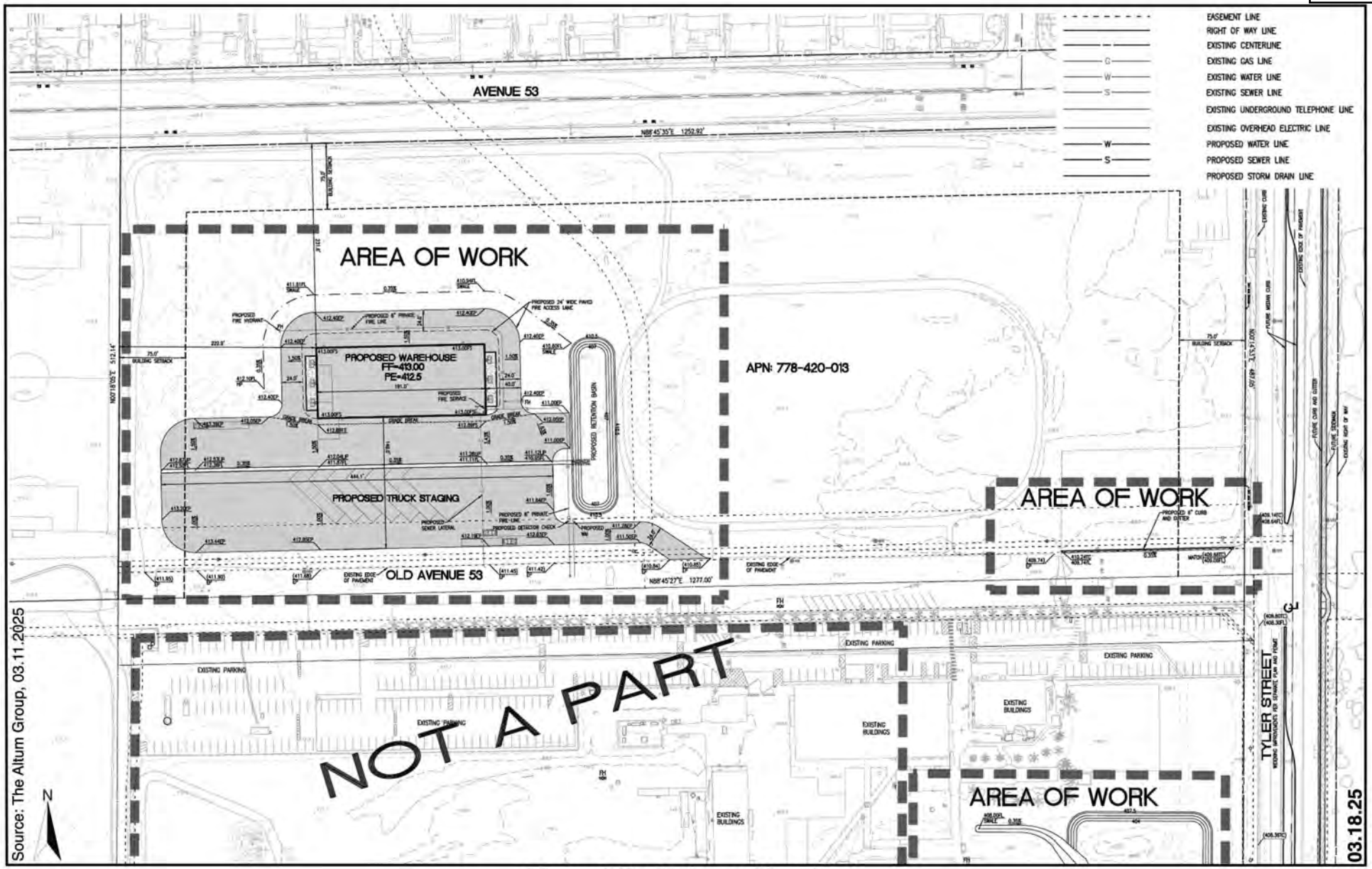
Exhibit
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Project Master Plan
Armtec Expansion Master Plan
Coachella, California

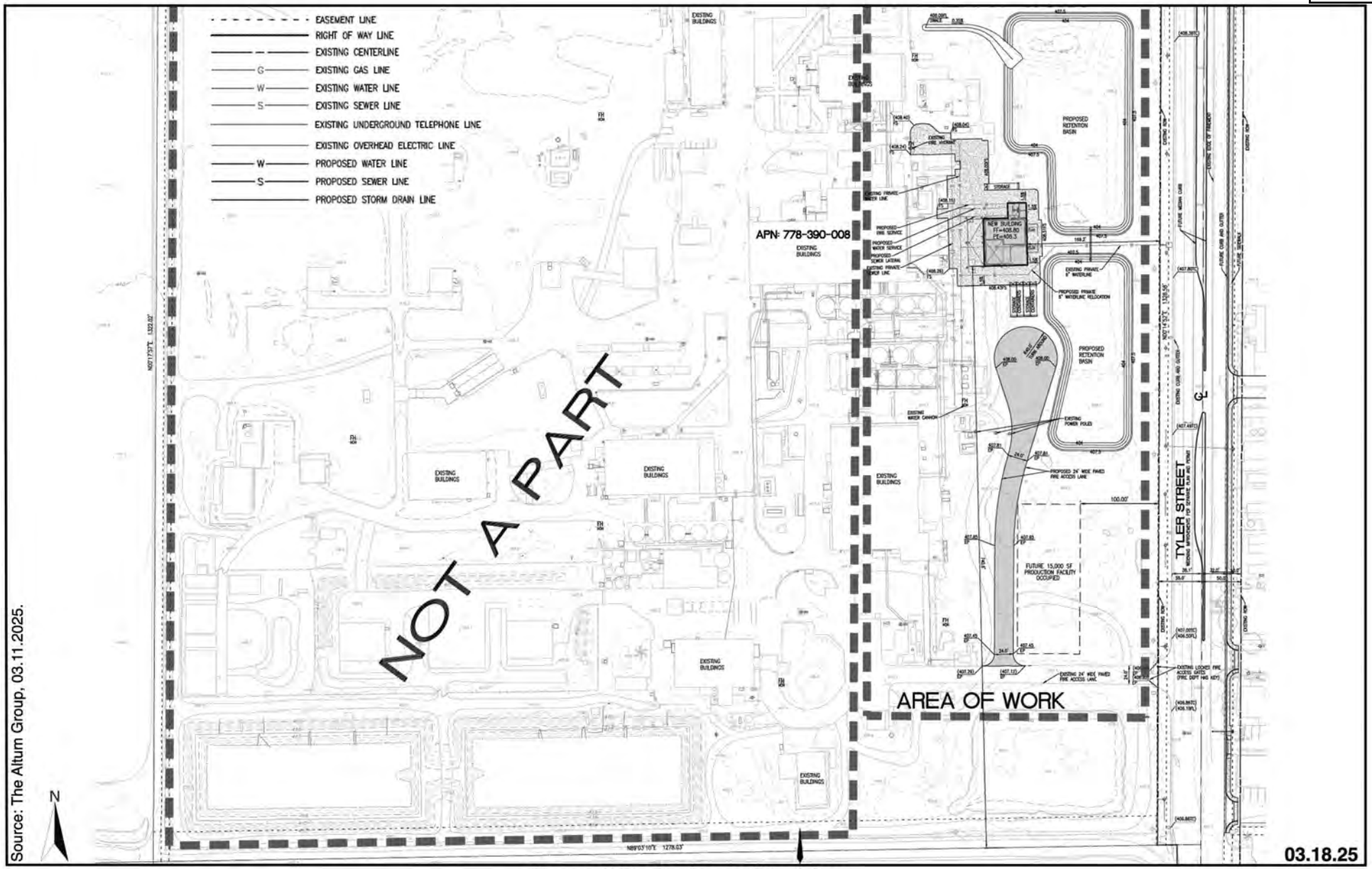
Exhibit
3



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Phase 2 Preliminary Site Plan
Northern Parcel
Armtec Expansion Master Plan
Coachella, California

Exhibit
4



Phase 2 Preliminary Site Plan
Southern Parcel
Armtec Expansion Master Plan
Coachella, California

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Exhibit
5

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

	Aesthetics		Agriculture and Forestry Resources		Air Quality
	Biological Resources		Cultural Resources		Energy
	Geology /Soils		Greenhouse Gas Emissions		Hazards & Hazardous Materials
	Hydrology / Water Quality		Land Use / Planning		Mineral Resources
	Noise		Population / Housing		Public Services
	Recreation		Transportation		Tribal Cultural Resources
	Utilities/Service Systems		Wildfire		Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency) On the basis of this initial evaluation:

	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
X	I find that although the proposed project could have a significant effect on the environment there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
	I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
	I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Adrian Moreno

Adrian Moreno, Associate Planner
City of Coachella

5-29-25
Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross referenced).
5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a) Earlier Analysis Used. Identify and state where they are available for review.
    b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures, which were incorporated or refined from the earlier document and the extent to which they address site specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9) The explanation of each issue should identify:
    a) The significance criteria or threshold, if any, used to evaluate each question; and
    b) The mitigation measure identified, if any, to reduce the impacts to less than significance.

I. AESTHETICS Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			X	
d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?			X	

Setting

The Project site is located in the Coachella Valley, a low-lying and relatively flat desert valley bounded by the Little San Bernardino Mountains on the north and northeast, and the Santa Rosa Mountain to the west and southwest. The San Jacinto Mountain range is further west; however, views are obstructed by the intervening Santa Rosa Mountains and largely diminished due to distance from the site. The mountains and hills have a significant rise over the valley floor. The Salton Sea, at an elevation of approximately 200 feet below sea level, is located in the southeast portion of the valley. The Salton Sea is located approximately 15 miles southeast of the project site.

Currently, the subject site is developed with the existing Armtec facilities and contains no scenic resources. The Project site generally has distant views of the middle and upper elevations of the surrounding mountains. Middle and foreground views from the site include single family residential to the north and southeast, vacant lands to the northeast, and soccer and agricultural fields to the west and south.

Development of the Project will result in the construction of new buildings among existing on-site structures, which may impact surrounding views as discussed below.

Discussion of Impacts

a) Less than Significant Impact. Scenic vistas are generally described in two ways: panoramic views (visual access to a large geographic area, for which the field of view can be wide and extend into the distance) and focal views (visual access to a particular object, scene, or feature of interest).

Construction Impacts on Scenic Vistas

Construction of the proposed Project would require the use of heavy equipment for grading, paving and excavation. Standard construction methods would be used for the construction of the proposed buildings. Construction activities would be visible from the surrounding streets and residential developments. Equipment moving on the site will not create a permanent obstruction, and existing views would remain consistent with those currently experienced on the site during site preparation. When building construction is initiated, the vertical construction would result in the blocking of views consistent with that described below.

Permanent Impacts to Scenic Vistas

The Project site is located in area of Coachella characterized by scattered developed and undeveloped lands that support a mix of residential, industrial, agricultural and some commercial uses. The Project site is currently developed with the existing Armtec facilities and bounded by Avenue 53 and single-family residential to the north, an agricultural field to the south, a soccer field and agricultural field to the west, and Tyler Street, vacant land and a mobile home park to the east. Existing Armtec facilities include industrial buildings and structures not exceeding 35 feet in height (per zoning code), and a line of palm trees adjacent to the on-site parking lot that may exceed 35 feet.

For Phase 2, the storage warehouse building proposes a maximum building height of 31 feet 6.5 inches to top of ridge, and the R&D and production facility proposes a maximum building height of 29 feet 5 inches to top of ridge.

Phase 3 includes the construction of a new 15,000 SF production facility, a new 15,000 SF storage warehouse, two new 900 SF storage structures, and a 6,000 SF expansion of an existing storage warehouse. Although precise plans have not been prepared for Phase 3, future development shall comply with Zoning Code Sections 17.32.030 – Property Development Standards for the M-H zone.

Views to the North and Northeast

From the subject property, views of the San Bernardino Mountains are to the north and northeast, with the Project site located approximately 6.6 miles southwest of the San Bernardino Mountain foothills. For properties and travelers to the north and east of the site, the proposed Project would not impact northerly views of the San Bernardino Mountains as the Project occurs outside the line of sight.

Lands to the west include a soccer field and agricultural field, and lands to the south include agricultural fields. Viewers looking north, east and northeast toward the Project site currently experience partially obstructed views of the San Bernardino Mountain foothills due to intervening residential development and the existing Armtec facilities; however, views of the middle and upper mountain elevations largely remain. Development of the Project would introduce new buildings on a site currently occupied by similar structures and structure heights. The Project may increase the current level of visual obstruction of the lower mountain elevations but will not significantly impact the middle and upper elevations of the scenic vista due to the distance (240 feet) to the nearest proposed structure (Phase 2 storage warehouse) from the western property line. Impacts to scenic vistas would be less than significant because these views to the north and northwest are already obstructed by landscaping and existing development.



GoogleEarth 2025, Imagery date 11/2022: Views from soccer field looking east/northeast towards Project site's northern parcel and San Bernardino Mountains.



GoogleEarth 2025, Imagery date 7/2023: Views from Avenue 54 looking north towards Project site and San Bernardino Mountains, agricultural fields intervening.

Views to the South and Southwest

From the Project site, views of the Santa Rosa Mountains are to the south and southwest, with the site located approximately 6.7 miles northeast of the Santa Rosa Mountain foothills. For properties to the south and west of the site, the proposed Project would not impact southerly views of the Santa Rosa Mountains as the Project occurs outside the line of sight.

Lands to the north and northeast include Avenue 53, single family residential development, and Tyler Street. Viewers looking south and southwest toward the Project site currently experience partially obstructed views of the lower and middle views of the Santa Rosa Mountains; however, upper elevations are still visible. Development of the Project would introduce new buildings on a site currently occupied by similar structures and structure heights. The Project may increase the current level of visual obstruction to the lower and middle mountain elevations but will not significantly impact the upper elevations of the scenic vista due to the distance (230 feet) to the nearest proposed structure (Phase 2 storage warehouse) from the northern property line. Impacts to scenic vistas would be less than significant because these views to the south are already obstructed by landscaping and existing development.



GoogleEarth 2025, Imagery date 7/2023: Views from the corner of Avenue 53 and Tyler Street looking southwest towards the Project site and Santa Rosa Mountains.

Views to the Southeast

There are no prominent scenic views to the southeast because there are no mountains to the southeast of the site. Currently, visitors of the soccer fields and workers on the agricultural fields, which occur west of the site, have no scenic vistas to the southeast, and intervening development, including existing Armtec facilities, partially block the visual field. Overall, impacts would be less than significant because no scenic vistas occur to the southeast.



GoogleEarth 2025, Imagery date 11/2022: Views from the soccer field looking southeast towards the Project site.

Views to the West and Northwest

From the Project stie, distant views of the Santa Rosa Mountains are about 6.7 miles and to the west. The San Jacinto Mountains are located 23.5 miles west/northwest of the site; however, views of this range are largely obstructed by the intervening Santa Rosa Mountains and diminished by distance. There are no prominent scenic views to the northwest. For properties to the west, south and north of the site, the proposed Project would not impact westerly views of the Santa Rosa Mountains as the Project occurs outside the line of sight.

From the Project site, views of the lower elevations of the mountains to the west are blocked by intervening development on the valley floor. However, middle and upper slopes of the mountains are visible above these buildings, although often diminished due to distance and air pollution. Travelers on Tyler looking westerly would experience a similar level of view obstruction, and although the proposed structures will visible, the ridgelines of the Santa Rosa Mountains will remain visible for those traveling along this roadway.



GoogleEarth 2025, Imagery date 7/2023: Views from Tyler Street looking west towards the Project site.

The mobile home park located east of the Project site and Tyler Street currently experiences largely obstructed westerly views of the lower and middle mountain elevations due to the existing Armtec facilities. Views of the proposed new structures will be mostly obstructed by existing Armtec facilities, and although the rooflines of the proposed structures may be visible to viewers from the west, the ridgelines of the Santa Rosa Mountains will remain visible similar to existing conditions. As a result, impacts will be less than significant.



GoogleEarth 2025, Imagery Date 7/2023: Views from Tyler Street and mobile home park looking northwest towards the Project site.



GoogleEarth 2025, Imagery Date 7/2023: Views from Tyler Street and mobile home park looking west towards the Project site and Santa Rosa Mountains.

Conclusion

The proposed Project will require architectural review and approval (AR 25-02) to ensure the proposed structures are architecturally treated to enhance the site's appearance. Buildout of the proposed Project would result in limited new obstruction of surrounding views and is comparable to existing industrial structures on-site with regard to mass and height. As scenic vistas from the public realm remain largely intact, impacts are considered less than significant (CEQA Guidelines § 15064(b)).

b) **No Impact.** The Project site is not located within a state scenic highway or locally designated scenic corridor, and also does not contain scenic resources, such as rock outcroppings or trees. No impact is expected.

c) **Less than Significant Impact.** The Project site's northern parcel is largely vacant except for the recently constructed Phase 1 solar grid, and the southern parcel is developed with existing Armtec facilities. The mass and scale of the existing, allowed and proposed structures are comparable with regards to visual impacts. Project development shall comply with the City of Coachella General Plan policies for Urban Employment Centers and Industrial Districts, and shall also comply with Zoning Code Sections 17.16.030, and 17.32.030 – Property Development Standards of the U-E zone and M-H zone, respectively (see Section XI. Land Use and Planning for further discussion of General Plan and Zoning Code compliance). Phase 2 and future Phase 3 plans will undergo architectural review prior to approval to ensure high-quality building design to minimize any visual degradation of the site. On that basis, the proposed Project is consistent with City-adopted regulations and will not conflict with applicable zoning and other regulations governing scenic quality.

d) **Less than Significant Impact.** The Project is located in an urban environment that includes existing sources of light and glare associated with the on-site Armtec facilities and nearby land uses. Nearby sources of light include exterior lighting on residential buildings, street lighting on the adjacent Tyler Street and Avenue 53, passing vehicle headlights.

Short-Term (Construction-Related) Impacts

During the construction phase, there would be no need to add security lighting for construction areas or construction staging areas, because nighttime construction is not anticipated. Therefore, impacts related to new sources of light and glare during construction would be less than significant.

Long-Term (Operations-Related) Impacts

The ultimate development of new industrial buildings on the site can be expected to generate increased levels of light and glare from interior and exterior building lighting, safety and security lighting; however, it would not require use of high intensity outdoor lighting. Lighting and glare levels are not expected to exceed typical levels that currently exist on-site and within the surrounding urban environment and will be regulated by City lighting standards. The proposed development will abide by the city's standards prohibiting reflective surfaces and spillage of light onto adjacent properties. The City will review and approve the lighting plan prior to construction, which will ensure that lighting and glare levels are at acceptable levels. Impacts will be less than significant.

Mitigation Measures: None

Monitoring: None

Source: City of Coachella Municipal Code; City of Coachella General Plan; GoogleEarth.

II. AGRICULTURE RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X

Setting

The Project site consists of two parcels currently developed with Armtec facilities. The northern parcel is designated "Urban Employment" on the 2035 General Plan land use map and is zoned for "Urban Employment" (U-E). The southern parcel is designated "Industrial District" on the General Plan land use map and zoned for "Heavy Industrial (M-H)." According to available historical information, the subject property consisted of agricultural lands since at least 1949 through the late 1960's. By 1972 the site had been partially developed with the current Armtec facility. According to the California Important Farmland Finder, the subject property's southern parcel is designated as "Urban and Built Up" land, and the northern parcel is designed "Farmland of Local Importance." State-designated Prime Farmland lies immediately west and south of the site and is actively used for agriculture. There are no forest lands on or within the immediate vicinity of the Project.

Discussion of Impacts

a-e) No Impact.

Prime Farmland: No prime or unique farmland, or farmland of statewide importance exists within the Project site. State-designated Prime Farmland lies immediately west and south of the site and is actively used for agriculture. These farmlands operate independently and are unaffected by the existing Armtec facilities and the proposed expansion. The state identifies the northern parcel of the project site as being "Farmland of Local Importance," however the site is not zoned or otherwise intended for agricultural uses. The northern parcel in question is designated "Urban Employment" on the 2035 General Plan land use map and is zoned for "Urban Employment" (U-E). According to the Phase I ESA (Appendix E), the project site has not been in agricultural use since at least the late 1960's, after which the property began to develop with the current Armtec facilities. As such, the Project would not convert farmland to non-agricultural use. No impacts would occur, and no mitigation measures are required.

Williamson Act: The project site is designated for urban uses in the General Plan and Zoning Ordinance. According to California Williamson Act Enrollment Finder provided by the California Department of Conservation, the subject property is not actively enrolled in a Williamson Act contract. Furthermore, the Riverside County Clerk-Recorders website lists the northern parcel as CT (commercial land) and the southern parcel as CT (light industrial). No land on the Project site is under a Williamson Act contract or listed as an agricultural preserve with the County Clerk-Recorders office. Therefore, the Project would not conflict with any zoning for agricultural uses or a Williamson Act Contract. No impacts would occur, and no mitigation measures are required.

Forest Land: The Project site is located on the desert floor, currently zoned as Urban Employment and Heavy Industrial. The subject site does not contain forest land, timberland or timberland zoned for timberland production. Therefore, the Project would not rezone forest land or timberland as defined by the Public Resources Code and Government Code. No impacts would occur, and no mitigation measures are required.

Mitigation Measures: None.

Monitoring: None.

Source: California Important Farmland Finder, California Department of Conservation. https://maps.conservation.ca.gov/DLRP/CIFF/. Accessed August 2024; Phase I Environmental Stie Assessment, Armtec Defense Technologies, prepared by Northgate Environmental Management, Inc. August 2024; California Williamson Act Enrollment Finder, California Department of Conservation. https://gis.conservation.ca.gov/portal/home/webmap/viewer.html?webmap=18f7488c0a9d4d299f5e9c33b312f312. Accessed April 2025; Riverside County Assessor - County Clerk - Recorder > Property Search > Valuation. (2025). Publicaccessnow.com. https://ca-riverside-acr.publicaccessnow.com/PropertySearch/Valuation.aspx?p=778420013&a=778420013&m=. Accessed April 2025.

III. AIR QUALITY Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. **Would the project:**	**Potentially Significant Impact**	**Less Than Significant with Mitigation**	**Less Than Significant Impact**	**No Impact**
a) Conflict with or obstruct implementation of the applicable air quality plan?				X
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard			X	
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?			X	

Setting

The Coachella Valley is in the Salton Sea Air Basin (SSAB), which includes part of Riverside County and all Imperial County. The SSAB is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD is an air quality regulatory agency created to enforce the federal Clean Air Act and State's air quality program. In doing so, SCAQMD conducts inspections to evaluate and determine the basins compliance to air quality regulations.

The SCAQMD is required by Federal regulation to monitor and report the presence of criteria pollutants, identified by the Clean Air Act as: ozone (O3), particulate matter (PM10 and PM2.5), carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO2), and sulfur dioxide (SO2). The SCAQMD maintains 35 permanent air quality monitoring stations throughout the South Coast Air Basin including Los Angeles, Orange County, and San Bernardino counties, and the Salton Sea Basin including Riverside County. The Project site is located within Source Receptor Area (SRA) 30, which includes monitoring stations in Palm Springs, Indio, and Mecca (Saul Martinez). Under SCAQMD, the Project is subject to the 2003 PM10 Coachella Valley Implementation Plan (SIP), 2008 Coachella Valley 8-

Hour Ozone SIP, and the 2022 SCAQMD Air Quality Management Plan (2022 AQMP). These regulatory plans aim to reduce air pollution in Palm Springs and neighboring cities since currently the Valley exceeds the federal and state standards for ozone and PM10.

The U.S. Environmental Protection Agency (U.S. EPA) designates areas according to whether it meets or does not meet the national primary or secondary ambient air quality standard for the National Ambient Air Quality Standard. In terms of ozone, the Coachella Valley is classified as an "Extreme" nonattainment region for the 2008 and "Severe-15" nonattainment for the 2015. The classifications mandate the Valley to meet the 2008 8-hour ozone 75-part per billion (ppb) standard by July 2032 and the 2015 8-hour ozone 70 ppb standard by August 2033. Regarding PM 10, the Coachella Valley is classified as "Serious". The 2003 PM 10 Coachella Valley SIP, 2008 Coachella Valley 8-Hour Ozone SIP, and 2022 AQMP comply with the EPA's mandate by outlining methods to reduce NOx, key component in ozone, and PM10.

The Project will emit criteria air pollutants during both the construction and the operational phases. Construction and operational emissions were projected using California Emissions Estimator Model (CalEEMod) Version 2022.1. CalEEMod is a Statewide land use emission computer model developed for the California Air Pollution Officers Association (CAPCOA) in collaboration with the California Air Districts, including the SCAQMD, that provides a uniform platform to quantify potential criteria pollutant and greenhouse emissions associated with construction and operation of land development projects. CalEEMod utilizes widely accepted methodologies for estimating emissions from several sources, including studies commissioned by the California Energy Commission (CEC). CalEEMod Version 2022.1 analyzes operational emissions from natural gas and electricity usage for residential and non-residential uses, and models Title 24 energy conservation standards applicable to all residential and non-residential buildings throughout California. For electricity, Title 24 uses include the major building envelope systems covered by Part 6 (California Energy Code) of Title 24 such as space heating, space cooling, water heating, and ventilation. For natural gas, Title 24 uses include building heating and hot water end uses. CalEEMod calculates criteria air pollutants, including CO, PM_{10}, $PM_{2.5}$, and the ozone precursors ROG and NO_x. CalEEMod output tables are provided in Appendix B.

Discussion of Impacts

a) **No Impact**. According to CEQA, a significant air quality impact could occur if the proposed project is not consistent with the applicable Air Quality Management Plan (AQMP) or would obstruct the implementation of the policies or hinder reaching the goals of that plan. The Project site is within the Coachella Valley region of the Salton Sea Air Basin (SSAB) and will be subject to SCAQMD's 2022 AQMP, the 2003 Coachella Valley PM_{10} SIP, and the 2008 Coachella Valley 8-hour Ozone SIP. The AQMP is a comprehensive plan that establishes control strategies and guidance on regional emission reductions for air pollutants. The AQMP is based, in part, on the land use plans of jurisdictions in the region.

The Southern California Association of Governments (SCAG) adopted the 2024-2050 Regional Transportation Plan/Sustainable Communities Strategy (2024 RTP/SCS) to comply with metropolitan planning organization (MPO) requirements under the Sustainable Communities and Climate Protection Act. The RTP/SCS Growth Management chapter forms the basis of land use and transportation controls of the AQMP. Projects that are consistent with the growth forecasts are considered consistent with the AQMP.

A project is considered to be in conformity with adopted air quality plans if it adheres to the requirements of the SCAQMD Rule Book, AQMP, and adopted and forthcoming control measures, and is consistent with growth forecasts in the applicable plan(s) (or is directly included in the applicable plan). Conformity with growth forecasts can be established by demonstrating that a project is consistent with the land use plan that was used to generate the growth forecast. A non-conforming project would be one that increases the gross number of dwelling units, increases the number of vehicle trips, and/or increases the overall vehicle miles traveled in an affected area relative to the applicable land use plan.

The Project proposes the expansion of the existing Armtec facility on lands designated for industrial and urban employment uses in the General Plan. The Project would be developed in accordance with all applicable rules and regulations contained in the General Plan and 2022 AQMP to meet the applicable air quality standards, because the existing industrial use and its associated job creation potential were included in the SCAG analysis. Also, as shown in Table 1, below, Project emissions would not exceed SCAQMD thresholds for construction or operation and will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment.

In conclusion, although the proposed Project would contribute to impacts to air quality, as discussed below, it would not conflict with or obstruct the implementation of an applicable air quality plan because its industrial characteristics were included in the development of regional plans. No impact is anticipated.

b) **Less Than Significant Impact.** A project is considered to have significant impacts if there is a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard. As previously stated, the SSAB is currently a non-attainment area for PM_{10} and ozone. Therefore, if the project's construction and/or operational emissions exceed SCAQMD thresholds for PM_{10} and ozone precursors, which include carbon monoxide (CO), nitrous oxides (NOx), and volatile/reactive organic compounds (VOC or ROG), then impacts would be cumulatively considerable and significant.

The California Emissions Estimator Model (CalEEMod) Version 2022.1 was used to project air quality emissions that will be generated by Phase 2 and Phase 3 development (Appendix B). Criteria air pollutants will be released during both the construction and operation phases of the proposed Project, as shown in Tables 1 and 2. Table 1 summarizes short-term construction-related emissions, and Table 2 summarizes ongoing emissions generated during operation.

The following Project details were used for CalEEMod modeling:

- Total disturbed acres: 6.91 acres, including on- and off-site improvements
- 15,000 SF "Manufacturing" representing the production facilities
- 37,800 SF "Unrefrigerated Warehouse- No Rail" representing the storage warehouses
- 3,000 SF "Industrial Park" representing the R&D/small production facilities
- 100,000 SF "Parking Lot" representing the truck staging area and on-site fire access roads
- 0.4 miles of road widening representing the widening of Tyler Street from the Avenue 53 to the southern property line, and various roadway improvements including sidewalk improvements adjacent to the soccer fields west of the Project site.
- 97,000 SF of landscaping, on- and off-site (preliminary estimates)
- Project total daily vehicle trips = 169
- Construction schedule: June 2025 through December 2026, 18-months
- Grading, net balance of materials on-site

Construction Emissions:

For purposes of analysis, it is assumed that construction will occur over an 18-month period. The construction period includes all aspects of project development, including site preparation, grading, paving, building construction, and application of architectural coatings.

As shown in Table 1, emissions generated by construction activities will not exceed SCAQMD thresholds for any criteria pollutant during construction. The data reflect maximum daily emissions over the 18-month construction period, including summer and winter weather conditions. The analysis assumes a net balance of materials onsite per preliminary grading plans. Applicable standard requirements and best management practices include, but are not limited to, the implementation of a dust control and management plan in conformance with SCQAMD Rule 403, proper maintenance and limited idling of heavy equipment, phased application of architectural coatings and the use of low-polluting architectural paint and coatings per SCAQMD Rule 1113.

Given that criteria pollutant thresholds will not be exceeded, and standard best management practices will be applied during construction, impacts will be less than significant.

Table 1
Maximum Daily Construction-Related Emissions Summary
(pounds per day)

Construction Emissions[1]	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum	53.4	43.7	14	0.10	9.26	5.25
SCAQMD Thresholds	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Emission Source: CalEEMod model, version 2022.1

Operational Emissions:

Operational emissions are ongoing emissions that will occur over the life of the project. They include area source emissions, emissions from energy demand (electricity), and mobile source (vehicle) emissions.

According to the Traffic Report prepared for the proposed Project (Appendix H), the proposed Project will generate approximately 169 daily trips. Table 2 provides a summary of projected emissions during operation of the proposed Project at build out. As shown below, operational emissions will not exceed SCAQMD thresholds of significance for any criteria pollutants for operations. Impacts related to operational emissions will be less than significant.

Table 2
Maximum Daily Operational-Related Emissions Summary
(pounds per day)

Operational Emissions[1]	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum	10.1	1.12	2.45	0.02	1.52	0.41
SCAQMD Thresholds	**550**	**55**	**55**	**150**	**150**	**55**
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Emission Source: CalEEMod model, version 2022.1

Cumulative Contribution: Non-Attainment Criteria Pollutants

A significant impact could occur if the Project would make a considerable cumulative contribution to federal or State non-attainment pollutants. The Coachella Valley portion of the SSAB is classified as a "non-attainment" area for PM_{10} and ozone. Cumulative air quality analysis is evaluated on a regional scale (rather than a neighborhood scale or city scale, for example) given the dispersing nature of pollutant emissions and aggregate impacts from surrounding jurisdictions and air management districts. Any development project or activity resulting in emissions of PM_{10}, ozone, or ozone precursors will contribute, to some degree, to regional non-attainment designations of ozone and PM_{10}.

The SCAQMD does not currently recommend quantified analyses of construction and/or operational emissions from multiple development projects, nor does it provide methodologies or thresholds of significance to be used to assess the significance of cumulative emissions generated by multiple cumulative projects. However, it is recommended that a project's potential contribution to cumulative impacts should be assessed utilizing the same significance criteria as those for project-specific impacts. Furthermore, SCAQMD states that if an individual development project generates less than significant construction or operational emissions, then the development project would not generate a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment. [2]

As shown in the tables above, Project-related PM_{10}, CO, NO_x, and ROG emissions are projected to be below established SCAQMD thresholds. Emissions will be further reduced through required best management practices, which require implementation of a Dust Control Plan in accordance with SCAQMD Rule 403.1. Therefore, the proposed Project will result in incremental, but not cumulatively considerable impacts on regional PM_{10} or ozone levels.

Summary

As shown above, both construction and operation of the proposed Project will result in criteria emissions that are below the SCAQMD significance thresholds, and neither would violate any air quality standard or contribute substantially to an existing or projected air quality violation. Overall, impacts related to construction and operation will be less than significant and are not cumulatively considerable from a non-attainment standpoint.

c) Less Than Significant Impact. Sensitive receptors are individuals within the community more susceptible to health issues related to poor air quality that typically include children, the elderly, and those with preexisting health problems. The nearest sensitive receptors to the Project site are residents located east of Tyler Street and north of Avenue 53. From sensitive receptors, on-site improvements would occur at a minimum distance of 30-75 meters (100 – 250 feet), and off-site improvements would occur at a minimum distance of 5-10 meters (Tyler Street curb, gutter, roadway improvements).

Analysis of Localized Significance Thresholds (LSTs) by a local government is voluntary and is designed for projects that are less than or equal to five acres. The maximum area of disturbance associated with buildout of the proposed Project is approximately 6.91 acres, and it is assumed that buildout would occur over the

[2] Kroeger, A.; Goss, T. (2003). *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution.* http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf (pg 7).

course of 18 months. Although the total Project area is greater than five acres, the area of daily disturbance (for purposes of LST analysis only) is limited to five acres or less per day at any given location. As such, the five-acre look up table is appropriate under the SCAQMD's methodology to screen for potential localized air quality impacts.[3] Based on the Project's proximity to existing housing, the 5-acre site tables at a distance of 25 meters (nearest measurement option in LST table) were used for LST analysis.

Table 3 shows on-site emission concentrations for Project construction and operation will not exceed LST thresholds. Overall, the impacts will be less than significant.

Table 3
Localized Significance Thresholds Emissions
(pounds per day)

	CO	NOx	PM_{10}	$PM_{2.5}$
Construction				
Maximum Emissions	53.4	43.7	9.26	5.25
LST Threshold	**2,292**	**304**	**14**	**8**
Exceed?	**No**	**No**	**No**	**No**
Operation				
Maximum Emissions	10.1	1.12	1.52	0.41
SCAQMD Thresholds	**2,292**	**304**	**4**	**2**
Exceed?	**No**	**No**	**No**	**No**

Emission Source: CalEEMod model, version 2022.1
LST Threshold Source: LST Mass Rate Look-up Table, SCAQMD.

Health Impacts

The SCAQMD is the local implementing and enforcing agency for the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (commonly known as AB 2588), which established a statewide program for the inventory of air toxics emissions from specifically identified individual facilities as well as requirements for risk assessment and public notification of potential health risks. The SCAQMD requires the preparation of an operational HRA for "facilities" associated with high levels of toxic air contaminants. The eight categories of identified sources of TACs include high-traffic freeways and roads, distribution centers, rail yards, ports, refineries, chrome plating facilities, perchloroethylene dry cleaners, and large gas stations. The Project neither proposes the development of any such facilities, nor is it situated in proximity to any such facility.

[3] South Coast AQMD, "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds." Weblink Accessed February 2025. https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf

As shown in Tables 1 and 2, construction and operation of the proposed Project will result in criteria emissions that are below the SCAQMD significance thresholds, and neither would violate any air quality standard or contribute substantially to an existing or projected air quality violation.

With today's technology, it is not scientifically possible to calculate the degree to which exposure to various levels of criteria pollutant emissions will impact an individual's health. There are several factors that make predicting a Project-specific numerical impact difficult:

- Not all individuals will be affected equally due to medical history. Some may have medical pre-dispositions and diet and exercise levels tend to vary across a population.
- Due to the dispersing nature of pollutants it is difficult to locate and identify which group of individuals will be impacted, either directly or indirectly.
- There are currently no approved methodologies or studies to base assumptions on, such as baseline health levels or emission level-to-health risk ratios.

Due to the limitations described above, the extent to which the Project poses a health risk is uncertain but unavoidable. It is anticipated that impacts associated with all criteria pollutants will be less than significant overall, and that health effects will also be less than significant.

d) Less than Significant Impact. The occurrence and severity of odor impacts depend on numerous factors, including the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of the receptors. While offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to distress among the public and often generating citizen complaints to local governments and regulatory agencies.

The SCAQMD identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, transfer stations, and fiberglass molding. The proposed Project will be developed with a mix of warehouse storage space and industrial production of small quantities of combustible materials in various configurations. They type of production proposed, and that currently exists onsite, occurs indoors and does not generate objectionable odors.

Short term odors associated with paving and construction activities could be generated; however, any such odors would be quickly dispersed below detectable levels as distance from the construction site increases and would occur for short time periods during construction only.

Overall, impacts from objectionable odors are expected to be less than significant.

Mitigation Measures: None

Monitoring: None

Source: SCAQMD CEQA Air Quality Handbook (1993); SCAQMD Rule 402; 2022 Air Quality Management Plan, SCAQMD; Coachella Valley PM10 State Implementation Plan (2003 CV PM10 SIP); Coachella Valley 2008 8-hour Ozone SIP; SCAQMD Localized Significance Thresholds Appendix C – Mass Rate LST Look-up Table; CalEEMod Version 2022.1.

IV. BIOLOGICAL RESOURCES Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?		X		
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?				X
c) Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				X
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

Setting

The City of Coachella is in the eastern Coachella Valley in the Sonoran Desert subunit of the Colorado Desert. The valley floor experiences extreme heat and aridity, and hosts limited vegetation communities compared to the higher plant diversity and density in hillsides, alluvial fans, and mountainous areas. The City is bisected by the Whitewater River/Coachella Valley Stormwater Channel and Coachella Canal, both of which traverse generally northwest to southeast.

Common vegetation communities and habitat types identified within the City's General Plan planning area include Sonoran Creosote Bush Scrub, Colorado Saltbrush Scrub, and Desert Sand Fields. Common wildlife species include reptiles (side-blotched lizard, western whiptail, coachwhip), birds (mourning dove, house finch, California horned lark, common raven, Gambel's qual, black-tailed gnatcatcher, greater roadrunner, prairie falcon, red-tailed hawk), and mammals (desert cottontail, coyote). Ten special status plants and 31 special status wildlife species were identified in the General Plan as having a potential to occur in the regional vicinity of the General Plan planning area; however, only two listed species and 18 otherwise special status plant and wildlife species were identified with some chance of occurring within the planning area.

The City is within the boundaries of the Coachella Valley Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan (CVMSHCP/NCCP), a comprehensive conservation plan encompassing approximately 1,136,400 acres in the Coachella valley. The City of Coachella is a Permittee to the CVMSHCP/NCCP and, as such, is subject to its provisions. According to the General Plan Draft Environmental Report (DEIR, 2014), the CVMSHCP identified the following endangered species existing within the General Plan planning area:

- Round-tailed Ground Squirrel located in the Mecca Hills, and along SR 86.
- Crissal Thrasher located along SR 86 and southern portion of SR 11, and the Southwestern border of the City.
- Desert Tortoise: Habitat is located in the Mecca Hills
- Flat-Tailed Horned Lizard: Located east of the Coachella Canal
- Le Conte's Thrasher: Located east of the Coachella Canal

The subject property is in an area characterized by industrial, residential, commercial, and vacant lands. Historically the subject property was in agricultural production from at least 1949 to the late 1960s. By 1972, the property had been partially developed with the current Armtec facility, with facility expansions occurring in 1984, 1996, 2002, and 2006. Currently the northern parcel is largely undeveloped with the exception of the Phase 1 solar array located on the eastern half of the parcel. Flora and fauna observed during the site survey as part of the Archeo/Paleo study (Appendix D) included but was not limited to desert grasses, shrubs, succulents, invasive mustards, lizards, coyote scat, grasshoppers, butterflies, and ravens. No natural water sources are present on the property.

Discussion of Impacts

a) Less than Significant with Mitigation. The southern portion of the Project site is currently developed with the existing Armtec facility, and the northern portion is partially developed with a solar array. The entire site has been heavily disturbed by previous grading activities and operation of the existing Armtec facility. Vegetation coverage is generally sparse with regrowth of shrubs and desert grasses, primarily on the northern portion of the site. The surface soils are composed mainly of soft fine silty-sands, hard-pan clay, and loose sands with brittle calcium carbonate and salt deposits (Archeo/Paleo Study, Appendix D).

According to the U.S. Department of Fish and Wildlife Service (USFW) IPaC list (Appendix C), no federally listed threatened, endangered, proposed and candidate species, or proposed and final designated critical habitat, occur within the Project boundaries. According to the General Plan Draft Environmental Report (DEIR, 2014), the Project site does not occur within any active or proposed CVMSHCP conservation areas or other biological resource area.

Due to the disturbed nature of vegetation and soils, the Project site has a very low to low potential to harbor sensitive wildlife species. The existing vegetation on and adjacent to the property has a low potential to provide nesting opportunities for birds covered under the Migratory Bird Treaty Act (MBTA), and potential impacts to migratory bird species are considered negligible.

Burrowing owl is a state species of special concern that resides in open dry grasslands and desert areas. The burrowing owl has recently been proposed for listing by the California Department of Fish and Wildlife (CDFW). The southern portion of the site is currently developed with existing Armtec facilities or disturbed by daily operations, with no potential for burrowing owl to be present. Since the northern portion of the site is predominantly vacant and covered sparsely with vegetation, there is potential of burrowing owl to be present. The CVMSHCP and State law prohibit the take of burrowing owl. Should burrowing owl be found on the northern portion of the property prior to construction of Phase 2, a significant impact would occur. To assure that potential impacts are avoided, Mitigation Measure BIO.1 is provided below, which requires pre-construction surveys of the northern parcel to assure that the species is not present, and/or to protect the species should it be identified on-site. With implementation of this mitigation measure, impacts to burrowing owls will be less than significant.

Implementation of Mitigation Measures BIO.1 and adherence to existing federal, state, and City regulations will ensure potential impacts are reduced to less than significant levels.

b) **No Impact.** The Project site does not contain any riparian habitat or sensitive natural communities protected by local plans, the California Department of Fish and Wildlife, or U.S. Fish and Wildlife Service. The site is surrounded by urban development. Onsite soils have been disturbed by previous grading activity, and onsite vegetation is limited to only sparse annual regrowth. No Project-related impacts would occur, and no mitigation measures would be required.

c) **No Impact**. The Project site is located approximately one mile southwest of the Coachella Valley Stormwater Channel (CVSC) and does not contain any streams, marshes, protected wetlands, or vernal pools protected by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service. No Project-related impacts would occur, and no mitigation measures would be required.

d) **No Impact.** Surrounding lands include residential, agricultural, some commercial, vacant lands and roadways. The site lacks connections to other native habitats. No wildlife corridors or biological linkages are mapped, known, or expected on the Project site. Although the site's northern parcel may provide marginal habitat for burrowing owls, the Project site is not identified as a nursery site. Therefore, the site does not experience the migration of native wildlife and does not substantially interfere with the movement of any species, nor does it limit the use of native wildlife nursey sites.

e) **No Impact.** The proposed Project will not conflict with any local ordinances protecting biological species and will be required to comply with the landscaping and other applicable requirements of the Municipal Code. No impact will occur.

f) **No Impact.** The subject property is within the boundaries of the CVMSHCP, and the City of Coachella is a Permittee to the CVMSHCP. The Project does not propose a land use designation change that would convert protected or open space lands to urban uses. The Project proponent will be required to pay the local development mitigation fee to mitigate impacts to covered species. Payment of the fee is a standard requirement of projects in the CVMSHCP coverage area. The Project will not conflict with this or any other habitat conservation plan or natural community conservation plan. No impact will occur.

Mitigation Measures:

BIO-1 **<u>Burrowing Owl and Migratory Bird Surveys</u>**

A qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys following the CDFW (2012 or current) Staff Report on Burrowing Owl Mitigation, combined with nesting bird surveys in compliance with the Migratory Bird Treaty Act (MBTA). The first shall occur between 14 and 30 days prior to ground disturbance, and the second shall occur within 24 hours of ground disturbance. If the pre-construction surveys confirm burrowing owl presence, the Project applicant shall submit a Burrowing Owl Plan that includes

avoidance, minimization, and mitigation measures to the USFWS and CDFW—collectively the Wildlife Agencies—for review and approval prior to beginning Project activities. The Project proponent shall coordinate with the Wildlife Agencies on the appropriate avoidance, minimization, and mitigation measures to be included in the Burrowing Owl Plan. If avoidance of burrowing owl is not possible, coordination with the Wildlife Agencies for a burrowing owl relocation plan is required pursuant Section 4.4 and Section 8.5.2 of the CVMSHCP.

If active nests are found during the pre-construction nesting bird surveys, a qualified biologist shall establish an appropriate nest buffer to be marked on the ground. Nest buffers are species specific and shall be at least 300 feet for passerines and 500 feet for raptors. A smaller or larger buffer may be determined by the qualified biologist familiar with the nesting phenology of the nesting species and based on nest and buffer monitoring results. Construction activities may not occur inside the established buffer(s), which shall remain on-site until a qualified biologist determines the young have fledged or the nest is no longer active. Active nests and adequacy of the established buffer distance shall be monitored daily by the qualified biologist until the qualified biologist has determined the young have fledged. The qualified biologist has the authority to stop work if nesting pairs exhibit signs of disturbance.

Mitigation Monitoring:

BIO-A Prior to the issuance of any permit to allow ground disturbance on the northern parcel of the site, the Project Proponent shall submit the pre-construction surveys for burrowing owl and nesting birds to the City.

Pre-construction surveys: No less than 14 days prior to start of Project- related activities and within 24 hours prior to ground disturbance and when there is a pause in construction of more than 30 days.

If a Burrowing Owl Plan or a Burrowing Owl Relocation Plan is required, the Plan(s) shall be submitted to the City, USFWS and CDFW for approval prior to the issuance of grading permits.

Responsible Parties: Project applicant, project biologist, Planning Division.

Source: Coachella General Plan Draft Environmental Impact Report, 2014; Coachella General Plan; City of Coachella General Plan; CVMSHCP; Phase 1 Archaeological and Paleontological Resources Assessment for the Armtec Defense Products Co. Master Plan Project, prepared by ArchaeoPaleo Resource Management, Inc. August 2024; Project materials.

V. CULTURAL RESOURCES Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?		X		
c) Disturb any human remains, including those interred outside of formal cemeteries?				X

Setting

In the City of Coachella, the only registered historical resource is the Coachella Valley Water District Building along Highway 111 and Grapefruit Boulevard, which is designated as a California Point of Historical Interest and a Riverside County Historical Landmark (General Plan EIR). Many other sites are considered eligible for formal designation. The City's historic core is considered highly sensitive for historic resources, generally between Harrison Street and State Route 111 (EIR Figure 4.4-2).

Given the long history of Coachella as Native American land, the City contains significant archaeological resources, none of which are designated by any state or national register but may be considered eligible.

The Mecca Hills, Thermal Canyon, and washes north of Thermal Canyon host archaeologically significant trails, mining sites, and other artifacts from previous settlements. There are also possible sites along the west side of the Whitewater River, and in the downtown area.

Historically, the subject property was in agricultural production from at least 1949 to the late 1960s. By 1972, the property been partially developed with the current Armtec facility, with facility expansions occurring in 1984, 1996, 2002, and 2006. Currently the northern parcel is largely undeveloped with the exception of the Phase 1 solar array located on the eastern half of the parcel.

In 2024, ArchaeoPaleo Resource Management, Inc. (APRMI) conducted a Phase I Archaeological and Paleontological Resources Assessment (Archaeo/Paleo Assessment) for the Project site, which included a historical background and records search, a Sacred Lands Files search at the State of California Native American Heritage Commission (NAHC) and field inspection of the Project site.

Historical and Archaeological Resources

According to PRC §5020.1(j), '"historical resource' includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California." More specifically, CEQA guidelines state that the term "historical resources" applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the Lead Agency (Title 14 CCR §15064.5(a)(1)-(3)).

Regarding the proper criteria of historical significance, CEQA guidelines mandate that "a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing on the California Register of Historical Resources" (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Is associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method construction, or represents the work of an important creative individual, or possesses high artistic values.
(4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

Discussion of Impacts

a) **No Impact.** Section 15064.5 of the CEQA Guidelines defines a historic resource as a resource that is: (1) listed in, or determined to be eligible for listing in the California Register of Historical Resources (California Register); (2) included in a local register of historical resources (pursuant to Section 5020.1(k) of the Public Resources Code); or (3) identified as significant in an historical resources survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code). Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register. The California Register automatically includes all properties listed in the National Register of Historic Places (National Register) and those formally determined to be eligible for listing in the National Register.

Archival Research

APRMI conducted archival research through different inventory databases and historic societies, including the libraries of the National Geographic Database, the University of Maryland and the University of California, Los Angeles. Results of the search determined that no historic buildings are present on site.

Cultural Records Search

On December 5th, 2023, APRMI requested a Cultural Resource Records Search from the Eastern Information Center (EIC) in Riverside, California to identify any cultural resources on or adjacent to the Project site.

Results of the records search indicate there is one prehistoric site within 650 feet of the Project site, and 14 historic buildings, two historic sites, and one historic district within a 1-mile radius of the site. There were also 37 previous cultural reports conducted within a 1-mile radius, with two surveys including the Project area. However, none of these resources are located on or adjacent to the Project site and will not be affected by Project-related construction activities.

Summary

No historical resources are present on site, and no historical resources would be impacted from construction of the Project. Therefore, there will be no impacts.

b) Less than Significant with Mitigation. Section 15064.5(a)(3)(D) of the CEQA Guidelines defines archaeological resources as any resource that "has yielded, or may be likely to yield, information important in prehistory or history." Archaeological resources are features, such as tools, utensils, carvings, fabric, building foundations, etc., that document evidence of past human endeavors and that may be historically or culturally important to a significant earlier community.

Cultural Records Search

On December 5th, 2023, APRMI requested a Cultural Resource Records Search from the Eastern Information Center (EIC) in Riverside, California to identify any cultural resources on or near the Project site.

Results of the records search indicate there is one prehistoric site within 650 feet of the Project site, and 14 historic buildings, two historic sites, and one historic district within a 1-mile radius of the site. There were also 37 previous cultural reports conducted within a 1-mile radius, with two surveys including the Project area. However, none of these resources are located on or adjacent to the Project site and will not be affected by Project-related construction activities.

Sacred Lands File Search

In accordance with Senate Bill 18, APRMI also requested a Sacred Lands File and Native American Contact List request with Native American Heritage Commission (NAHC) in West Sacramento, California on December 5th, 2023.

On December 26th, 2023 APRMI received an email from Cultural Resources Analyst Xitlaly Madrigal of the Agua Caliente Band of Cahuilla Indians stating that the Project area lies within the Tribe's Traditional Use Area and requested several

mitigation measures. The City has also contacted Tribal representatives as part of the AB 52 consultation process described in Section XVIII (Tribal Cultural Resources) of this Initial Study. As per the results of the APRMI Archaeo/Paleo Assessment, and AB 52 consultation between the City and ACBCI, Mitigation Measure CUL-1 through CUL-8 are provided below. No other responses have been received as of January 26th, 2024.

Field Reconnaissance
On June 6th, 2024, APRMI staff conducted a field reconnaissance of the Project area to evaluate the presence of any archaeological resources, to determine if the development of the Project would have any significant direct or indirect adverse impacts on such resources.

Objects observed on the ground surface included fragmented clay water pipes, sewer pipe fragments (potential transite), tiling, cardboard, glass bottle fragments, wood pieces, PVC, golf balls, modern gravel, oxidized metal (bolts, nails, frames), porcelain ceramic ware fragments, and plastic refuse. Objects collected during the survey included a 14 cm x 3.5 cm oval-shaped volcanic stone with mica/crystalline inclusions, a brown glass bottle bottom with "Duraglas" embossed in cursive on the bottom, one piece of quartz, and three small modern snail shells. The lack of observing artifacts/fossils at the surface during this site survey, does not conclude that there will not be artifacts or fossils uncovered during construction excavation activities.

Summary of Impacts and Recommendations
APRMI determined that due to the high sensitivity of the Project area for cultural and tribal resources, and at the request of the Agua Caliente Band of Cahuilla Indians, it is recommended that both a tribal monitor and a qualified archaeologist be present on site to monitor any ground-disturbing activities, as described in Mitigation Measure CUL-1 through CUL-8. With implementation of these mitigation measures, potential impacts to archaeological resources will be reduced to less than significant levels.

c) **No Impact.** No cemeteries or human remains are known to occur onsite. It is unlikely that human remains will be uncovered during Project development. However, should human remains be uncovered, California law requires that all activity cease and the coroner be notified to determine the nature of the remains and whether Native American consultation is needed. This requirement of law assures that there will be no impact to cemeteries or human remains.

Mitigation Measures:

CUL-1 Prior to the start of Project excavation, a qualified archaeologist shall be retained, and create a Worker's Environmental Awareness Program (WEAP) pamphlet that will be prepared by the Project Archaeologist and provided

by the Archaeologist as a training class to Project personnel, so they understand the regulatory requirements for the protection of cultural resources. This training class shall include examples of cultural resources to look for during project excavation and the protocols to follow if discoveries are made.

CUL-2 Archaeological resources monitoring shall be conducted by a professional archaeological resources monitor during Project related earth-disturbing activities, per OHP standards, under the supervision of a qualified Project Archaeologist. Monitoring will entail visual inspection of Project related earth-disturbing activities in native soil. If the Archaeologist deems that the excavation is no longer in soil that would produce artifacts, features, or sites, the monitoring can cease.

CUL-3 As per the results of the AB 52 Government to Government Consultation, prior to the issuance of grading permits, the developer/permit applicant shall enter into an agreement with the Agua Caliente Band of Cahuilla Indians, for a Native American Monitor. The Native American Monitor(s) shall be on site during all initial ground-disturbing activities and excavation of each portion of the project site, including clearing, grubbing, tree removals, grading, and trenching. In conjunction with the Archaeological Monitors(s), the Native American Monitor(s) shall have the authority to temporarily divert, redirect, or halt the ground disturbance activities to allow identification, evaluation, and potential recovery of cultural resources. The developer/permit applicant shall submit a fully executed copy of the agreement to the City to ensure compliance with this condition of approval.

CUL-4 If an archaeological resource is encountered during excavation when the monitor(s) are not on site, all excavation shall cease within at least 50 feet of the discovery and the Principal Investigator, Lead Archaeologist and the Tribe must be notified. Work cannot resume in the direct area of the discovery until it is assessed by the Principal Investigator, and/or Lead Archaeologist, and the Tribe, and indicates that excavation can resume.

CUL-5 If an archaeological discovery cannot be preserved in situ and requires an excavation team or requires additional time to collect cultural resources, a Discovery and Treatment Plan (DTP) will be developed by the Lead Archaeologist in collaboration with the Consulting Tribe(s), and the area will be cordoned off and secured so that an archaeological resources excavation team, led by the Principal Investigator and Lead Archaeologist, may recover the cultural resources out of that location. Once the Principal Investigator has determined that the collection process is complete for a given area or locality, construction activity can resume in that localized area.

CUL-6 If human remains are encountered, all work on the project will be suspended and the City of Coachella will be contacted immediately. The City of Coachella will contact the Riverside County coroner. If the remains are deemed Native American in origin, the coroner will contact the NAHC if a Native American monitor has not been assigned to the Project, in which the NAHC will identify a most likely descendant in compliance with Public Resources Code Section 5097.98 and California Code of Regulations Section 15064.5. After their notification by the Native American Heritage Commission, the Most Likely Descendant will have 48 hours to visit the site and make recommendations as to the treatment and final deposition of the remains. Work may be resumed at the landowner's discretion but will only commence after consultation and treatment have been concluded to the satisfaction of the lead agency and the Native American tribe.

CUL-7 All non-Native American related cultural resources collected by the archaeologist, such as early settler historic items or sites, will be prepared in a properly equipped laboratory to a point ready for curation. Artifacts will be identified, photographed, analyzed, catalogued, and delivered to an accredited museum repository for permanent curation and storage or to the appropriate Accompanying notes, maps, and photographs shall also be filed at the final repository. The cost of curation is assessed by the repository and is the responsibility of the Project proponent.

If Tribal Resources are found, treatment will be as follows: Reburial of the resources on the Project property in a location agreed upon by the Developer and Consulting Tribe(s). The measures for reburial shall include, at least the following: Measures to protect the reburial area from any future impacts. Reburial shall not occur until all required cataloging, analysis and studies have been completed on the cultural resources, with the exception of sacred items, burial goods, and Native American human remains. Any reburial processes shall be culturally appropriate.

CUL-8 At the conclusion of laboratory work but prior to museum curation of non-Native American artifacts, a final (negative or positive) findings report will be prepared describing the results of the cultural mitigation monitoring efforts associated with the Project. The report will include a summary of the field and laboratory methods, an overview of the cultural background within the project vicinity, a list of cultural resources recovered (if any), an analysis of cultural resources recovered (if any) and their scientific significance, and recommendations. A copy of the report will be prepared for the City of Coachella, the EIC, and be submitted to the designated museum repository (if applicable).

Monitoring:

CUL-A Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
Responsible parties: Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.

Source: Coachella General Plan; City of Coachella General Plan Update Final Environmental Impact Report (CGPU EIR, SCH No. 2009021007), October 2014; Phase 1 Archaeological and Paleontological Resources Assessment for the Armtec Defense Products Co. Master Plan Project, prepared by ArchaeoPaleo Resource Management, Inc. August 2024.

VI. ENERGY Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?				X

Setting

Primary energy sources include fossil fuels (e.g. oil, coal, and natural gas), nuclear energy, and renewable sources (e.g. wind, solar, geothermal and hydropower). The Project's energy supply will be serviced by Imperial Irrigation District (IID) for electricity and the Southern California Gas Company (SoCalGas) for natural gas.

SoCalGas serves central and southern California, encompassing approximately 24,000 square miles and 21.1 million consumers. Existing natural gas supply comes from regional natural gas lines that traverse the city, including two 30-inch lines and a 36-inch line located along the powerline corridor within the Mecca Hills. The distribution network in the city connects to these regional lines through an 8-inch, 6-inch, and 4-inch high-pressure lines. According to the General Plan, natural gas usage for 2010 for commercial, public and residential was 3,823,723 therms, and is expected to increase to 17,009,166 therms by 2035.

Imperial Irrigation District (IID) is the City's sole electricity provider and serves over 145,000 customers. The IID's operating headquarters is located in Imperial, California. The IID has a distribution system that contains 112 substations, 3,402 miles of overhead distribution lines, 675 miles of underground distribution lines, and 125,616 active meters. Electricity is delivered to the City of Coachella via a 230-kilovolt (KV) transmission line located in Indio Hills, which is north of the City of Coachella. Electricity is transferred from this transmission line to one of the four substations in the city maintained by IID, which include the Coachella Valley Substation, Coachella City Substation, 52nd Avenue Substation, and Thermal Substation. According to the General Plan, IID electricity demand for 2010 for commercial, public and residential was 220,782,340 kWh, and is expected to increase to 1,099,608,548 kWh by 2035.

Both SoCalGas and IID offer programs and incentives to reduce energy consumption. The City adopted its Climate Action Plan in April 2015, which provides additional measures on energy efficiency and conservation.

According to the CARB EMFAC2021 Model, the total annual VMT for Riverside County in 2024 was 58,964,176 miles for all vehicle classes. For analysis purposes, assuming the same average fuel economy of 24.4 mpg would result in a county total annual fuel consumption of 2,416,565 gallons in 2024.

Discussion of Impacts

a) Less than Significant Impact. The proposed Project will consume energy during both construction and long-term operation.

Construction Energy Demand

Energy will be consumed during construction for activities associated with parking lot demolition, site preparation, grading, building construction, paving, and architectural coating. The primary energy source during construction would be petroleum fuels (i.e. gasoline and diesel), which would be used for the operation of heavy equipment, manufacturing and transport of materials, and transport of construction workers. Electricity would be used to a lesser extent, in order to power electric equipment, worksite lighting, and temporary worksite offices.

Table 4 provides construction equipment fuel estimates based on the construction activity timeline, construction equipment schedules, equipment power ratings, and load factors programmed in CalEEMod. The aggregate fuel consumption rate for all equipment is estimated at 18.5 horsepower hour per gallon (hp-hr-gal.), per the California Are Resource Board's (CARB's) Carl Moyer Program Guidelines (2018), Table D-21 Fuel Consumption Rate Factors.[4] For analysis purposes, CalEEMod assumes all construction equipment is diesel powered. As shown in the table below, Project construction activities would consume an estimated 49,130 gallons of diesel fuel.

[4] The Carl Moyer Program Guidelines Volume I: Program Overview, Program Administration and Project Criteria, approved by the California Environmental Protection Agency Air Resource Board on April 27, 2017.

Table 4
Construction Equipment Fuel Consumption Estimates

Phase	Duration (Days)	Equipment	HP Rating	Qty	Usage Hours	Load Factor	HP-hrs/day	Fuel Consumption
Site Preparation	22	Rubber Tired Dozers	367	3	8	0.4	3,523	4,190
		Tractors/Loaders/Backhoes	84	4	8	0.37	995	1,183
Grading	45	Graders	148	1	8	0.41	485	1,181
		Excavators	36	2	8	0.38	219	532
		Tractors/Loaders/Backhoes	84	2	8	0.37	497	1,210
		Rubber Tired Dozers	367	1	8	0.4	1,174	2,857
Building Construction	335	Cranes	367	1	7	0.29	745	13,491
		Forklifts	82	3	8	0.2	394	7,127
		Generator Sets	14	1	8	0.74	83	1,501
		Welders	46	1	8	0.45	166	2,999
		Tractors/Loaders/Backhoes	84	2	8	0.37	435	7,879
Paving	20	Pavers	81	2	8	0.42	544	588
		Paving Equipment	89	2	8	0.36	513	555
		Rollers	36	2	8	0.38	219	237
Arch Coating	43	Air Compressors	37	1	6	0.48	107	248
Linear Grading	8	Excavators	36	3	8	0.38	328	142
		Crawling Tractors	87	1	8	0.43	299	129
		Graders	148	2	8	0.41	971	420
		Rollers	36	2	8	0.38	219	95
		Tractors/Loaders/Backhoes	84	4	8	0.37	995	430
		Rubber Tired Dozers	150	1	8	0.36	432	187
		Scrapers	423	2	8	0.48	3,249	1,405
Linear Paving	5	Rollers	36	2	8	0.38	219	59
		Paving Equipment	89	1	8	0.36	513	139
		Pavers	81	1	8	0.42	544	147
		Tractors/Loaders/Backhoes	84	3	8	0.37	746	202
							Total	**49,130**

Fuel consumption = [((Usage Hours x Qty.) x Load Factor) x HP Rating]/18.5 x Number of Days

Table 5 shows the estimated annual fuel consumption resulting from Project construction worker trips. The construction phase duration, trip type, daily worker trips, and trip lengths were derived from the Project's CalEEMod detailed report. The average vehicle fuel economy estimates were derived from the U.S. Department of Energy Alternative Fuels Data Center.[5] For purposes of this analysis, it is assumed that the majority of worker trips are by cars (24.4 miles per gallon (mpg), gasoline), and vendor trips are by delivery trucks (7.7 mpg, diesel). As shown in the table below, it is assumed that 11,492 gallons of fuel will be consumed related to construction work vehicle trips.

[5] Average Fuel Economy by Major Vehicle Category, last updated January 2024. U.S. Department of Energy. Accessed September 2024. https://afdc.energy.gov/data/10310

Table 5
Construction Worker Fuel Consumption Estimates

Phase	Duration (Days)	Trip Type	Worker Trips/ Day	Trip Length (Miles)	VMT	Avg. Fuel Economy (mpg)	Fuel Consumption (gallons)
Site Preparation	22	Worker	17.5	18.5	7,122.5	24.4	292
Grading	45	Worker	15	18.5	12,487.5	24.4	512
Building Construction	335	Worker	23.4	18.5	145,021.5	24.4	5,944
	335	Vendor	9.15	10.2	31,265.6	7.7	4,060
Paving	20	Worker	15	18.5	5,550.0	24.4	227
Architectural Coating	43	Worker	4.69	18.5	3,730.9	24.4	153
Linear Grading	8	Worker	37.5	18.5	5,550.0	24.4	227
		Vendor	1	10.2	81.6	7.7	11
Linear Paving	5	Worker	17.5	18.5	1,618.8	24.4	66
Construction Worker Vehicle Fuel Demand (Gallons of Fuel)							**11,492**

In summary, the total fuel consumption related to Project construction would be 60,622 gallons. It should be noted that the use of construction equipment and construction worker trips would represent a "single-event" fuel demand and would not require an on-going demand for fuel resources. In addition, the equipment used for Project construction would conform to CARB regulations and California emissions standards intended to clean up construction equipment fleets by retiring older models for newer, cleaner models. Compliance with anti-idling and emissions regulations would result in a more efficient use of construction-related energy and the minimization or elimination of wasteful or unnecessary consumption of energy. Overall, gasoline and diesel fuels consumed for transportation during construction of the Project would be temporary and would not be wasteful or inefficient. Therefore, impacts would be less than significant.

Operational Energy Demand

The Project's air quality and greenhouse gas emissions were projected using the California Emissions Estimator Model (CalEEMod) Version 2022.1. The results of this modeling included the Project's estimated annual energy consumption during operations. According to CalEEMod, the Project is projected to use 1,081,218 kWh of electricity per year and 1,240,880 kBTU (12,412 therms) of natural gas per year. The Project is within the service area for Southern California Gas (SoCalGas) and Imperial Irrigation District (IID).

Long-term operational energy demand will be generated by Project lighting, production activities and operation of machinery, and heating/ventilation/air conditioning (HVAC) systems. Energy would be consumed during the operation of the facilities, the transport and conveyance of water, and solid waste hauling and disposal. However, the Project will result in the expansion of existing industrial

and storage uses typical of industrial uses on site and throughout the City and region. Buildings will be constructed in accordance with the state Building Code, ATF 27 CFR § 555.203 and 27 CFR § 555.210, Green Building Code, and Energy Code in effect at the time that development occurs, to ensure the most efficient building technologies are used, which will benefit overall building operations, ensure energy efficiency, and reduce wasteful and unnecessary consumption of energy resources. Furthermore, the Renewable Portfolio Standard, as updated by Senate Bill 100, requires energy providers to derive 60 percent of their electricity from renewable energy sources by 2030 and 100 percent by 2045. As a result, electricity needs not met by the required on-site renewable energy generation and provided by IID will increasingly be come from renewable sources.

Overall, both the proposed development and the electricity provider will be required to comply with state regulations, ensuring that the Project does not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Compliance with state regulations will ensure that the proposed development will not be wasteful, inefficient, or unnecessary it its energy consumption, and that associated impacts will be less than significant.

Transportation Energy Demand

The Project will not directly increase the population and will therefore not directly increase vehicle trips and miles traveled (VMT) and long-term fuel demand. According to the Project-specific traffic impact analysis, the Project is estimated to generate 169 additional vehicle trips per day (see Section XVII, Transportation). CalEEMod estimated that the Project would generate 760,950 VMT per year. Energy that would be consumed by Project-generated traffic is a function of total VMT and estimated vehicle fuel economies of vehicles accessing the Project site. Assuming an average fuel economy of 24.4 mpg for passenger cars and 7.7 mpg for delivery trucks[6], and assuming 50 percent of the miles would be from passenger cars and 50 percent from long haul delivery trucks, the Project will demand 65,006 gallons of fuel annually. According to the CARB EMFAC2021 Model, the total annual VMT for Riverside County is 58,964,176 miles for all vehicle classes. For analysis purposes, assuming the same average fuel economy of 24.4 mpg would result in a county total annual fuel consumption of 2,416,565 gallons. The Project total annual consumption of 65,006 gallons represents 2.69 percent of the County's total fuel consumption in 2024.

Project annual fuel consumption estimates likely represent maximums that would occur because the average fuel economies of vehicles accessing the Project site can be expected to improve as newer, more efficient vehicle models enter the circulation system. Project trip generation and VMT are consistent with other industrial uses of similar scale and configuration, as reflected respectively in

6 Average Fuel Economy by Major Vehicle Category, last updated January 2024. U.S. Department of Energy. Accessed June 11, 2024. https://afdc.energy.gov/data/10310

CalEEMod. Therefore, Project operations would not result in excessive and wasteful vehicle trips and VMT, nor excess and wasteful vehicle energy consumption compared to other residential developments of similar size.

Conclusion

The Project energy use during construction and operation will not be wasteful, inefficient, or unnecessary because of the Project's compliance to the applicable state and local energy code. Impacts are limited to less than significant levels.

b) **No Impact.** The Clean Energy and Pollution Reduction Act (Senate Bill 350) increased California's renewable electricity goal from 33 percent by 2020 to 50 percent by 2030. The objective of the senate bill is to increase the use of renewable energy sources including solar, wind, biomass, geothermal, and others. The SB 350 targets utilities such as IID to develop and adopt the production of energy through renewable sources as to continue meeting the customer's resource needs, reduce GHG emissions, and introduce clean energy to the grid.

The Project will not conflict with the implementation or effectiveness of SB 350 or any other state or local renewable energy and/or energy efficiency plan or policy. The development will consist of the expansion of industrial facilities which will be required to adhere to the City's building code, zoning ordinance, and other standards, including the Coachella 2015 Climate Action Plan. The Project will not obstruct or limit the any state or local plan and/or policy regarding renewable energy or energy efficiency and thus, no impacts are expected.

Mitigation Measures: None.

Monitoring: None.

Source: Southern California Edison, www.calcities.org/detail-pages/partner/edison, accessed August 2024; *Integrated Resource Plan | Imperial Irrigation District*. (2024). Iid.com. https://www.iid.com/power/renewable-energy/integrated-resource-plan; *EMFAC*. (2025). Ca.gov. https://arb.ca.gov/emfac/scenario-analysis/generate-template.

VII. GEOLOGY AND SOILS Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.				X
ii) Strong seismic ground shaking?		X		
iii) Seismic related ground failure, including liquefaction?		X		
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on-or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?		X		
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?		X		
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		

Setting

Geology and Soils

The Project is located in the City of Coachella which is part of the Coachella Valley. The geology and seismicity of the Coachella Valley is primarily influenced by the tectonics of the San Andrea and San Jacinto fault systems. The San Andreas Fault is a continental transform fault that extends roughly 750 miles through California. It forms the tectonic boundary between the Pacific Plate and the North American Plate, and its motion is right-lateral strike-slip (horizontal). The San Jacinto Fault Zone (SJFZ) is a major strike-slip fault zone that runs through San Bernardino, Riverside, San Diego, and Imperial Counties in Southern California. The SJFZ is a component of the larger San Andreas transform system and is considered to be the most seismically active fault zone in the area.

The Coachella Valley is located in the northwestern portion of the Salton Trough which is bounded by the San Bernardino Mountains on the northwest, San Jacinto Mountains on the west, Santa Rosa Mountains on the south, and Little San Bernardino Mountains and Indio Hills on the northeast. Regional soils range from rocky outcrops within the mountains bordering the valley to coarse gravels of mountain canyons and recently laid fine- and medium-grained alluvial (stream deposited) and aeolian (wind deposited) sediments on the central valley floor. Episodic flooding of major regional drainages, including the Whitewater River, results in the deposition of sand and gravel on the valley floor. Strong sustained winds emanating from the San Gorgonio Pass cause wind erosion and transport and deposit dry, finely granulated, sandy soils on the central valley floor. Soils in the project area primarily consist of myoma fine sand and Coachella fine sands.

Paleontological Resources

Paleontological resources are the fossilized remains of prehistoric animals and plants, created more than 12,000 years ago in the Pleistocene era. A relatively thick sequence (20,000 feet) of sediment has been deposited in the Coachella Valley portion of the Salton Trough from the Miocene era to present times. These sediments are predominantly terrestrial in nature with some lacustrine (lake) and minor marine deposits. The major contributor of these sediments has been the Colorado River. The mountains surrounding the Coachella Valley are composed primarily of Precambrian metamorphic and Mesozoic "granitic" rock. The County of Riverside considers paleontological resources and states "they are valued for the information they yield about the history of the earth and its past ecological settings."

In 2024, ArchaeoPaleo Resource Management, Inc. (APRMI) conducted a Phase I Archaeological and Paleontological Resources Assessment (Archeo/Paleo Assessment) for the Project site that included a paleontological resources records check.

Discussion of Impacts

a.i) **No Impact.** Alquist-Priolo Earthquake Fault Zone is the San Andreas Fault Zone located in the northeast portion of the city, approximately 2.8 miles northeast of the Project site.[7] No fault-related surface rupture would occur because the Project site is not located within or adjacent to an Alquist-Priolo Earthquake Fault Zone.

a.ii) **Less than Significant with Mitigation.** The Coachella Valley is a seismically active region. The most prominent active fault in the city is the San Andreas Fault, 2.8 miles northeast of the Project site, which has a probable magnitude range of 6.8-8.0 on the Richter scale. The Project would be exposed to strong ground shaking during a major quake on nearby faults, which could expose people and structures to safety risks. The impacts associated with ground shaking could be significant without mitigation.

The Project will be required to comply with the California Building Code (CBC) in effect at the time that development occurs, which includes seismic safety specifications and requirements. The Project should be constructed based on parameters for the Site Class D designation. Adherence to the CBC and recommendations from the geotechnical report required by the city prior to the issuance of grading and building permits will reduce potential impacts associated with strong seismic ground shaking to less than significant levels on the subject property (Mitigation Measure GEO-1).

a.iii) **Less than Significant with Mitigation.** Seismically induced liquefaction is the loss of soil strength caused by a sudden increase in pore water pressure shortly after an earthquake. Liquefaction can occur with a combination of the following conditions: saturated soil or soil below the groundwater table, strong ground shaking, and susceptible soil types such as loose sands and gravels. Lateral spreading is a form of liquefaction-related hazard.

According to the Technical Background Report to the General Plan Safety Element, most of the city, including the Project site, is susceptible to high liquefaction potential. Provided that grading and other development plans for the Project site are designed in accordance with site-specific parameters for soils and geological conditions, Project-related impacts from seismic related ground failure will be less than significant (Mitigation Measure GEO.1).

[7] Plate 1-1: Faults and Historical Seismicity Map, Technical Background Report to the Safety Element of the General Plan for the City of Coachella, prepared by Earth Consultants International, Inc. September 2014.

a.iv) No Impact. The Project site is not susceptible to landslides due to its relatively flat terrain and distance from mountainous slopes and hillsides (approximately 3 miles). No impact will occur.

b) Less than Significant Impact. Development of the Project site has the potential to result in the erosion of soils during site preparation, grading, and building construction. The surface soils are composed mainly of soft fine silty-sands, hard-pan clay, and loose sands with brittle calcium carbonate and salt deposits. Soils of this composition and consistency are prone to wind and water erosion. The site is essentially flat, thus minimizing the potential for water erosion. The site will be mostly covered by buildings, pavement or gravel at build out, minimizing long-term wind erosion potential.

Grading and construction may require removal of the topsoil; however, they would occur in accordance with erosion control requirements, including grading and dust control measures imposed by the City pursuant to grading permit regulations, including adherence to SCAQMD Rule 403.1, that requires a fugitive dust control plan. Specifically, Project construction would be required to comply with the City's Municipal Code Chapter 8.20 – Fugitive Dust Control, including submittal and approval of grading permits, site and building plans, and inspections to ensure that the Project does not generate excessive soil erosion. In addition, the Project will be required to prepare a Project-specific Water Quality Management Plan (WQMP) (See Section X, Hydrology and Water Quality). As part of the WQMP, Best Management Practices (BMPs) would be implemented during grading and construction to reduce sedimentation and soil erosion to the maximum extent practicable. Therefore, impacts would be less than significant.

c) Less than Significant with Mitigation.

Subsidence

Subsidence is the settlement or sinking of the land surface that, in the Coachella Valley, has been associated with long-term groundwater withdrawal. Subsidence is considered a regional issue and is being addressed by the water agencies and government agencies through water conservation and supplemental groundwater recharge efforts. Adherence to the recommendations provided in the geotechnical study will assure that impacts regarding subsidence will remain less than significant (Mitigation Measure GEO.1).

Landslide and Rockfall

See Response VII.a.iv, above.

Liquefaction and Dry Sand Settlement

See Response VII.a.iii, above.

Hydrocollapsible Soils

Hydrocollapsible soils are subject to collapse upon the introduction of water. The volume of collapsible soils reduces when the pores in the soil become saturated, causing loss of grain-to-grain contact. Collapsible soils can cause uniform or differential damage to foundations and walls built on this soil type. Adherence to the recommendations of the geotechnical report will assure that Project impacts associated with collapsible soils will remain less than significant (Mitigation Measure GEO.1).

d) **Less than Significant with Mitigation.** The site's underlying soils consist of fine windblown sand, and heavily graded sand. The geotechnical report required by Mitigation Measures GEO.1 will provide recommendations that the Project should implement to assure these geotechnical issues are appropriately addressed, including removal and recompaction of collapsible or weak soils during the grading phase. Compliance with recommendations in the geotechnical report will ensure Project impacts are less than significant.

e) **No Impact.** The subject property is in an urban area that is served by a community sewer system, and the proposed Project will be connected to the existing onsite sewer infrastructure and sewer system. The Project will not result in new septic tanks or alternative wastewater disposal systems. No impact will occur.

f) **Less than Significant with Mitigation.** No significant cultural or paleontological resources were observed during the field survey conducted by APRMI on June 6, 2024 as part of the Phase 1 Archaeological and Paleontological Assessment. Results of the Paleontological Resources Records Check conducted by the Collections Manager of the Western Science Center indicate there are no known vertebrate fossil localities within the direct boundaries of the Project or within one mile of the Project, but that fossil localities have been found in similar sedimentary deposits to that of Project location nearby, including the Imagine Coachella Project, located 2.5 miles northwest of the Project area. The geologic unit underlying the Project area consists of Holocene-age alluvial units of sand, silt, and clay. While these sedimentary units are considered to be of high preservation value, their relatively modern date of deposition indicates that the presence of any fossil material is unlikely. However, if excavation disturbs deeper sedimentary units dating to the earliest Holocene or Pleistocene epochs, there would be high paleontological sensitivity.

Due to the high sensitivity of the Project area for paleontological resources, APRMI recommends that a qualified paleontologist be present on site to monitor any ground-disturbing activities, as described in Mitigation Measure GEO-2 through GEO-7. With implementation of these mitigation measures, potential impacts to paleontological resources will be reduced to less than significant levels.

Mitigation Measures:

GEO-1 A site-specific Geotechnical Report shall be prepared and submitted with grading plans, and shall analyze site- and building-specific conditions to provide recommendations on soil compaction, seismic design and liquefaction The report recommendations shall be incorporated in Project construction plans.

GEO-2 Prior to the commencement of grading or excavation activities, the Lead Paleontologist shall be retained and create a Worker's Environmental Awareness Program (WEAP) pamphlet that will be prepared and provided by the Project Paleontologist during the training class to Project personnel, so they understand the regulatory requirements for the protection of paleontological resources. This training class shall include examples of paleontological resources to look for during Project excavation and the protocols to follow if discoveries are made.

GEO-3 In the event that a paleontological resource is encountered when a monitor is not on site, all construction shall cease within at least 50 feet of the discovery and the Principal Investigator and/or Lead Paleontologist must be immediately notified. If the paleontological monitor is present at the time of discovery, then the monitor will have the authority to temporarily divert the construction equipment around the find until the Principal Investigator and/or Lead Paleontologist has assessed the resource for scientific significance. Work cannot resume in the direct area of the discovery until it is assessed by the Principal Investigator and/or Lead Paleontologist, and he/she indicates that construction can resume. Any soil that will be disturbed in Early Holocene or Late Pleistocene soils requires a construction monitor.

GEO-4 In the event that significant paleontological resources are encountered, the Lead Paleontologist will implement the Paleontological Management Treatment Plan (PMTP) prepared for the Armtec Defense Products Co Master Plan Project. The purpose of the PMTP is to achieve compliance with the California Environmental Quality Act (CEQA), and local governmental agencies concerning the treatment of unexpected paleontological finds which are significant at the federal, state, and/or local level.

GEO-5 If a paleontological discovery requires an excavation team or requires additional time to collect specimens, or the size of the discovery is more than a monitor can collect during standard daily monitoring services, a more intensive Discovery and Treatment Plan (DTP) may need to be developed and the area will be cordoned off and secured so that a paleontological resources excavation team, led by the Principal Investigator and/or Lead Paleontologist, may recover the fossil specimens out of that area once the DTP has been approved. Once the Principal Investigator and/or Lead Paleontologist has determined that the collection process is complete for a given area or locality, construction activity may resume in that localized area.

GEO-6 Once construction activities are complete, all fossil specimens collected will be prepared in a properly equipped paleontology laboratory to a point ready for curation. Laboratory preparation will include, but not be limited to, the careful removal of excess matrix from fossil remains, stabilizing and repairing specimens, identified to the lowest taxonomic level, analyzed, photographed, and catalogued before they are sent to the local repository for curation and permanent storage. Accompanying notes, maps, and photographs shall also be filed at the repository. The cost of curation is assessed by the repository and is the responsibility of the Project proponent.

GEO-7 At the conclusion of laboratory work and preparation for museum curation, a final (negative or positive) findings report will be prepared describing the results of the paleontological mitigation monitoring efforts associated with the project. The report will include a summary of the field and laboratory methods, an overview of the geology and paleontology in the project vicinity, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. If the monitoring efforts produced fossils, then a copy of the report will also be submitted to a designated museum repository.

Monitoring:

GEO-A The applicant shall provide the final grading and building plans to the Project geotechnical consultant for review and ensure the recommendations are incorporated into the design criteria and Project specifications as deemed appropriate by the consultant.
Responsible parties: Project engineer, Project geotechnical consultant, Project applicant, Planning Division, Engineering Department.

GEO-B Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City. The paleo report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered resources, upon completion of the field and laboratory work.
Responsible parties: Project applicant, Lead Paleontologist/ paleontological monitor, Planning Division.

Source: Technical Background Report to the Safety Element of the General Plan for the City of Coachella, prepared by Earth Consultants International, Inc. September 2014: Website: Web Soil Survey. U.S. Department of Agriculture. Accessed August 2024. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx;

VIII. GREENHOUSE GAS EMISSIONS Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?				X

Setting

Air quality has become an increasing concern because of human health issues, but also because greenhouse gas emissions are contributing to global warming and climate change. The primary contributor to greenhouse gas emissions is the burning of fossil fuels through the use of automobiles, power and heat generators, and industrial processes.

The principal greenhouse gases (GHGs) include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), ozone (O_3), and water vapor (H_2O), which are generated by both mobile and stationary sources, including vehicles, electricity and natural gas consumption, and emissions associated with water pumping and application of fertilizers.

The State of California has taken a leading role to curb GHG emissions and has developed laws and regulations to reduce these emissions. State legislation and regulations call for better integrated land use planning and curtailing energy production away from nonrenewable sources and toward new renewable sources, such as solar and wind. California SB 375 in part implements greenhouse gas reduction targets set forth in AB 32 and encourages regional land use planning to reduce vehicle miles traveled; it also requires jurisdictions to adopt a sustainable communities strategy. The California Air Resources Board continues to draft regulations to implement the Scoping Plan.

State law mandates that all cities decrease their GHG emissions to 1990 levels by the year 2020. The 2022 Scoping Plan provides CARB's update to the 2017 Plan. Pursuant to SB 32, the plan sets forth the state's plan to stay on track towards reducing GHG emission by at least 40 percent below 1990 levels by 2030. The 2022 Plan Update expands on earlier targets, establishing a new goal of reducing GHG emissions to 85 percent below 1990 levels by 2045. Additionally, the 2022 Plan Update establishes a path for the state to achieve carbon neutrality by 2045 through technologically feasible, cost-effective means.

The City of Coachella completed its first Greenhouse Gas Inventory in conjunction with the Climate Action Plan in 2015. The plan guides City policies and planning to achieve energy efficiency and comply with state mandates on emission reduction. The citywide GHG inventory determined that 2005 emissions totaled 312,628 metric tons CO_2e (MT CO_2e), which grew to 382,787 MT CO_2e (8.2 MT CO_2e per service population) in 2010 The Coachella Climate Action Plan (CAP) set a 49 percent reduction target from the 2010 per service population emission level by 2035, or 4.2 MT CO_2e per capita per year.

GHG Thresholds

On December 5, 2008, the SCAQMD formally adopted a greenhouse gas significance threshold of 10,000 MTCO2e/yr that only applies to industrial uses' stationary sources where SCAQMD is the lead agency (SCAQMD Resolution No. 08-35). This threshold was adopted based upon an October 2008 staff report and draft interim guidance document that also recommended a threshold for all projects using a tiered approach.

It was recommended by SCAQMD staff that a project's greenhouse gas emissions would be considered significant if it could not comply with at least one of the following "tiered" tests:

- Tier 1: Is there an applicable exemption?
- Tier 2: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
- Tier 3: Is the project below an absolute threshold (10,000 MTCO2e/year for industrial projects (stationary source); 3,000 MTCO2e/year for residential and commercial projects)?
- Tier 4: Is the project below a (yet to be set) performance threshold?
- Tier 5: Would the project achieve a screening level with off-site mitigation?

The City currently uses this approach in considering project-specific greenhouse gas emissions under CEQA.

Discussion of Impacts

a) Less Than Significant Impact. The proposed Project will generate GHG emissions during both construction and operation. As described in Section III, Air Quality, above, the California Emissions Estimator Model (CalEEMod) Version 2022.1 was used to quantify air quality emission projections, including greenhouse gas emissions (Appendix B).

Construction

Construction activities will result in short-term GHG emissions associated with operation of construction equipment, employee commute, and other ground disturbing activities. As shown in Table 6, the project will generate 632 CO2e

metric tons during the 18-month construction period. There are currently no construction-related GHG emission thresholds for projects of this nature. To determine if construction emissions will result in a cumulatively considerable impact, buildout GHG emissions were amortized over a 30-year period and added to annual operational emissions to be compared to applicable GHG thresholds (see Table 6, below).

Operation

At buildout, there are six emission source categories that will be contributing either directly or indirectly to operational GHG emissions, including energy/electricity usage, water usage, solid waste disposal, area emissions (pavement and architectural coating off-gassing), refrigerants, and mobile sources. Table 6 provides a summary of the projected short-term construction and annual operational GHG generation associated with buildout of the proposed Project.

According to the SCAQMD's recommended threshold Tier 3, a project would have a less than significant impact if it would be below an absolute threshold of 10,000 MTCO2e/year for industrial (stationary source) projects or 3,000 MTCO2e/year for residential and commercial projects. Industrial stationary sources could have multiple point sources of emissions usually associated with manufacturing and industrial processes, such as boilers, spray booths or degreasers. The Project is an expansion of an industrial facility; however, the proposed storage warehouses and production facilities are not considered a large stationary source polluter. Therefore, Project emission impacts were assessed using the 3,000 MTCO2e/year threshold for commercial projects.

As shown in Table 6, the Project's total annual GHG emissions is projected to be 549.68 MTCO2e and is therefore considered a less than significant impact.

Table 6
Projected GHG Emissions Summary
(Metric Tons)

Phase	CO_2e (MT/YR)
Construction	
Construction Total	632
Operation	
Area	1.14
Energy	196
Mobile	287
Waste	18.1
Water	25.6
Refrigerants	0.78
Construction: 30-year amortized [1]	21.06

Table 6 Projected GHG Emissions Summary (Metric Tons)	
Phase	**CO_2e (MT/YR)**
Total Operational	**549.68**
SCAQMD Threshold	**3,000**
Exceeds Threshold?	**No**
1. Buildout construction GHG emissions were amortized over 30-years then added to buildout operational GHG emissions. 632/30 = 21.06	

b) **No Impact.** The city adopted a CAP in 2015 that outlines a series of GHG emission reduction strategies that include state policies and implementation programs, General Plan policies, and additional CAP measures.

State Programs: The California Climate Action Scoping Plan identifies State GHG reduction measures that would require no additional action from the City or the Project. These measures include:

- California Renewable Portfolio Standard
- Title 24 Building Codes
- Low Carbon Fuel Standard
- Clean Cars Standards – Pavley 1493

General Plan Policies: The Coachella General Plan includes specific policies that guide the City's approach to reducing greenhouse gas emissions. For the CAP, policies were compiled from the Land Use (LU), Mobility (M), Sustainability and Natural Environment (SNE), Safety (S), and Infrastructure and Public Services (IPS) elements. The following policies apply to the Project:

- Energy performance targets – new construction (SNE 2.6)
- Alternative energy (SNE 2.3) (the Project will have access to renewable energy from an on-site solar array located on the northern parcel).
- Construction and demolition debris recycling (IPS 5.13)
- Water conservation performance targets for new construction (SNE 3.1)

The proposed Project is required to implement the above applicable GHG reduction measures and therefore would be consistent with the CAP. It should be noted that the majority of reduction measures provided in the CAP are dependent on third party actions, including the City and utility companies. Nevertheless, the proposed Project will be constructed in conformance with the California Building Code, which sets for stringent energy efficiency requirements and standards for new development that support the goals of the Statewide GHG reduction plans. Therefore, the Project is considered consistent with local and state GHG reduction measures, and impacts would be less than significant, and mitigation would not be required.

Conclusion Summary

The City's CAP and General Plan support and are consistent with the CARB 2017 Climate Change Scoping Plan and SCAG's 2024 RTP/SCS (also see Section III Air Quality). All components of construction and operation, including equipment, fuels, materials, and management practices, would be subject to the CAP, GPU policies, and current SCAQMD rules and regulations related to greenhouse gases, as discussed above. Based on these findings, the proposed Project will not conflict with an applicable plan, policy or regulation with the purpose of reducing GHG emissions and impacts will be less than significant.

Mitigation Measures: None.

Monitoring: None.

Source: City of Coachella Climate Action Plan, prepared by Raimi and Associates. Adopted April 22, 2015; CalEEMod Version 2022.1.

IX. HAZARDS AND HAZARDOUS MATERIALS Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?		X		
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?			X	
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.				X

Setting

The proper management of hazardous materials is a common concern for all communities within the Coachella Valley. Beginning in the 1970s, governments at the federal, state, and local levels became increasingly concerned about the effects of hazardous materials on human health and the environment. Numerous laws and regulations were developed to investigate and mitigate these effects. As a result, the storage, use, generation, transport, and disposal of hazardous materials are highly regulated by federal, state, and local laws and regulations.

In the City of Coachella, the use, storage, disposal, and cleanup of hazardous waste is regulated by an extensive framework of state and federal laws, such as those implemented by the US and California EPA, Occupational Safety and Health Administration, and regional agencies including the Colorado River Regional Water Quality Control Board. Coachella Fire Services, as part of the Riverside County Fire Department supports the Riverside County Health Department in maintaining a permit program that applies to anyone operating a hazardous occupancy or using, storing, or transporting substantial amounts of hazardous materials.

The Project site is surrounded by residential and agricultural development, some commercial uses, and vacant lots. The southern portion of the site is currently occupied by the existing Armtec facility, and the northern portion of the site is largely vacant with the exception of the Phase 1 solar array located on the eastern portion of the parcel.

A Phase I Environmental Site Assessment was prepared for the Project by Northgate Environmental Management, Inc. on August 5, 2024 (Appendix E), the results of which are discussed below.

Discussion of Impacts

a) **Less than Significant Impact.** The Project proposes 37,800 SF in new storage facilities, 3,000 SF in new research and development/small production facilities, 15,000 SF in new production facilities, a ±73,200 SF truck staging area, and three retention basins.

Construction

Construction would involve the use of heavy equipment, which uses small amounts of oil and fuels and other potentially flammable substances. During demolition and construction, equipment would require refueling and minor maintenance on location that could lead to fuel and oil spills. The contractor will be required to identify a staging area for storing materials. The proposed project would not result in a significant risk of explosion or accidental release of hazardous substances. The use and handling of hazardous materials during construction activities would occur in accordance with applicable Federal, State, and local laws, including California Occupational Health and Safety Administration (CalOSHA) requirements.

Safety protocols established by the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) require the proposed buildings be constructed as a Type 4 magazine which consist of formed and poured concrete construction with reinforced roofs (ATF 27 CFR § 555.203 and 27 CFR § 555.210). The proposed buildings will be placed beyond the required safety distances for Hazard Class (HC) 1.4 "low explosives," which require an inhabited-building distance (IBD) of 100 ft from inhabited buildings or public traffic routes.[8] From the property line and/or public right-of-way, proposed Phase 2 structures are setback approximately ±230 feet south of Avenue 53, ±220 feet east of the soccer field, and ±169 feet west of Tyler Street. The nearest Phase 3 structure adjacent to a roadway (Tyler Street) would be setback a minimum distance of 100 feet.

Operation

Storage Warehouses: The storage warehouses are designed to house finished goods which consist of a Hazard Class 1.4 explosive material, which present no significant blast hazard. These are explosives that contain no more than 0.9 oz. (25 g) of a detonating material and where the effects are mainly confined to the package, and no projection fragments of substantial size or range are expected. Specifically, these warehouses will store empty combustible cartridge cases of various sizes with no propellant. The storage warehouse will remain unoccupied except when goods are moved in and out of the structure.

R&D Facilities: The R&D facility will be used to develop small quantities of combustible materials in various configurations. Hazardous materials will consist primarily of nitro-cellulose. No hazardous materials will be stored in the building. Occupancy of the Phase 2, 3,000 SF building will be strictly regulated, and occupancy is expected to be limited to approximately 8 persons. Ancillary storage containers measuring 40' x 8' x 8' may be placed in proximity to the Phase 2 R&D facility, however these storage containers would be for non-hazardous materials including tooling, spare parts, and packing materials.

Production Facilities: The production facility produces a variety of combustible ordnance products. These facilities include or contain research and development equipment, chemical evaluation laboratories, engineering services, quality control operations, high volume production, and safety and security services.

Materials placed in the warehouses will be finished goods produced at the on-site production facilities. Finished materials are placed in approved cardboard containers, boxes, and placed on a pallet. These pallets are then transferred from the production buildings located on the south lot via forklift. The forklift travels

[8] Safety regulations per DoD 4145.26-M, DOD 6055.09-STD, DOD 5100.76M, California Code of Regulations, Title 8, Section 5189, Bureau of Alcohol Tobacco, Firearms and Explosives (ATF), Title 27 Part 555 & Title 29, Code of Federal Regulations, 1910.109

within the Project site avoiding public access and exposure. The physical security of proposed facilities and access points shall be in accordance with the Department of Defense Manual (DoDM 5100.76) specific to AA&E security (Arms, Ammunition, and Explosives). Finished goods are transferred from the warehouse to commercial carriers for final delivery to the customer. Regulations governing the handling and transportation of these materials include but are not limited to:

- ATF 27 CFR § 555.26 Prohibited shipment, transportation, receipt, possession, or distribution of explosive materials.
- ATF Title 18, United States Code, Sec. 1102, Chapter 40: Regulates the importation, manufacturing, distribution, and storage of explosive materials.
- CFR 49 Part 177 subpart B- Loading and Unloading of hazardous materials.
- CFR 49 177.835. DoT uses this regulation as a guide for transportation on public roadways.

Overall, the Project's transport, use, storage, and disposal of hazardous material shall comply with local, state, and federal regulations during construction and operation. Therefore, impacts from the routine transport, use or disposal of hazardous materials by the Project will be less than significant.

b) **Less than Significant Impact with Mitigation:** The Project site consisted of agricultural lands since at least 1949 through the late 1960s. By 1972 the site was partially developed with the current Armtec facility and facility expansions occurred around 1984, 1996, 2002, and 2006.

City records show that more than 30 years ago (pre-1992) accidental explosions and fires have occurred at the existing Armtec facilities and project site. However, no such accidents have occurred since, and the likelihood of similar accidents occurring is significantly reduced with adherence to local, state, and federal regulations regarding the routine transport, use, storage or disposal of hazardous materials [see response a), above].

A Phase I Environmental Site Assessment was prepared for the Project that recorded the following Recognized Environmental Condition (REC) on-site:

- An 8,000-gallon underground storage tank (UST) containing xylenes was present at the facility from 1992 until its removal in 2001. According to records obtained from Riverside County's Department of Environmental Health, one or more leaks from the former UST were reported between 1998 and 2001. The UST and associated piping were subsequently removed and investigations indicated that residual concentrations of benzene, ethylbenzene, toluene and xylenes were present in soil and that impacted soil extended to groundwater. BTEX concentrations were noted to be below regulatory cleanup levels; however, groundwater was noted to be

impacted with xylenes at concentrations that exceeded the California maximum contaminant level (MCL). The lack of closure documentation represents a REC.

The Phase I ESA did not reveal any Controlled RECs (CRECs) on the project site; however, the following Business Environmental Risks (BER) were identified:

- Due to the nature of the Armtec facility, manufacturing munitions including combustible ordnance and countermeasure products, for at least 52 years, the potential for subsurface contamination cannot be ruled out.
- The project site has consisted of agricultural land since at least 1949, and remained agricultural through the late 1960s, which can represent a potential for shallow subsurface impacts related to the potential historic use of pesticides, herbicides, and/or insecticides.

Based on the findings of the Phase I ESA, a limited Phase II ESA is required to mitigate impacts from potential exposure to the identified environmental hazards (Mitigation Measures HAZ-1). The limited Phase II ESA shall be performed in areas where development is planned on the southern parcel to evaluate potential impacts to shallow soil, and potential vapor encroachment concerns beneath proposed building footprints. If results of the Phase II ESA indicate there are impacts to soil, a soil management plan would be developed to manage any impacted soil appropriately during redevelopment. Similarly, if the Phase II ESA results indicate there are any vapor encroachment concerns that require mitigation, this would also be recommendation of the Phase II ESA. Implementation of Mitigation Measures HAZ-1 would ensure the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving hazardous materials.

c) **No Impact:** There is no school located within ¼ mile of the Project site. Valley View Elementary School is the nearest school and is located approximately 0.50 miles west of the subject property. Project construction and operations would involve the use and storage of hazardous materials in accordance with manufacturers' instructions and handled in compliance with applicable federal, State, and local regulations. No impacts to schools would occur and no mitigation measures would be required.

d) **No Impact.** The Project site is currently occupied by the existing Armtec facility and is not included on a list of active hazardous sites compiled pursuant to Government Code Section 65962.5. The property is not listed on the Department of Toxic Substances Control (DTSC) EnviroStor website, nor is it listed on the State Water Resources Control Board (SWRCB) GeoTracker website. Therefore, the Project would not create a significant hazard to the public or the environment pursuant to Government Code Section 65962.5. No impact is expected.

e) **Less than Significant Impact.** The Project site is located approximately 1.3 acres north of the Jacqueline Cochran Regional Airport. The County of Riverside is responsible for the management and development of the Airport Land Use Compatibility Plan (ALUCP) for each public use and military airport in Riverside County. Each ALUCP identifies land use and noise level compatibility due to operations at airports as well as forecasted noise level contours based on future operations at each airport. These noise level contours and land use compatibility noise levels are used in determining whether a proposed land use is consistent with forecasted noise levels. The ALUCP for the Project site is the Jacqueline Cochran Regional Airport (JCRA) ALUCP.

The site is within Zone D of the ALUCP, which stipulates that so long as the density of the Project is restricted to 100 people/acre the potential conflict can be abated for non-residential uses within the zone. According to the noise impact analysis prepared for the Project (Appendix G), the Project lies outside of the 55 dBA CNEL contour for JCRA. This is below the noise compatibility standards of 55 dBA CNEL for exterior noise levels. Therefore, impacts due to aircraft noise would be less than significant.

The proposed Project is the expansion of the existing Armtec facility that has been in operation since the early 1970's. The Project does not propose new uses or activities not already occurring on-site and would not result in a safety hazard or excessive noise for people residing or working at the Project site. Impacts would be less than significant, and no mitigation measures would be required.

f) **No Impact.** The Project will not impair or interfere with the City Fire and Emergency Medical Services Master Plan (2007), City of Coachella Emergency Operations Plan (2007), and the City of Coachella Annex Local Hazard Mitigation Plan (2012). The Project site is accessed by Tyler Street, Avenue 53, and Grapefruit Boulevard/Highway 111. A construction traffic control plan may be required in coordination with the City's Engineering Department to ensure traffic safety and preservation of emergency/secondary access during all development activities. The site plans and emergency access for the Project will be subject to approval by the Fire and Police Departments to ensure adequate emergency access. No impact to emergency access or evacuation routes is anticipated.

g) **No Impact.** The Project site is not within or near a wildland fire hazard zone. There are no SRA, VHFHSZ, or any other designated fire hazard zones in the City. There is no substantial vegetation within the City to generate a high wildfire risk, and the Project site is not near wildlands. The Project will not expose people or structures to a significant risk associated with wildfire hazards. No impact will occur.

Mitigation Measures:

HAZ-1 Prior to the issuance of grading and building permits for the Phase 2 structures located on the southern parcel, a limited Phase II Environmental Site Assessment shall be performed in areas of the Project site where development is planned to evaluate potential impacts to shallow soil, and potential vapor encroachment concerns beneath proposed building footprints. All recommendations and mitigation measures in the forthcoming Phase II ESA shall be implemented by the Project. If results of the Phase II ESA indicate there are impacts to soil, a soil management plan would be developed to manage any impacted soil appropriately during redevelopment. Similarly, if the Phase II ESA results indicate there are any vapor encroachment concerns that require mitigation, this would also be recommendation of the Phase II ESA.

Monitoring:

HAZ-A The applicant shall provide the final limited Phase II ESA, and if required, the soil management plan and/or vapor encroachment mitigation plan, to the City for review prior to the issuance of grading permits to ensure the recommendations and mitigation measures set forth in the Phase II ESA are incorporated into the construction plans and Project design as deemed appropriate by the consultant.
Responsible parties: Project Phase II ESA consultant, Project applicant, Planning Division, Engineering Department.

Source: Phase I Environmental Site Assessment, Armtec Defense Technologies, prepared by Northgate Environmental Management, Inc. August 5, 2024; Envirostor, California Department of Toxic Substance Controls; State Water Resources Control Board (SWRCB) GeoTracker website; Noise Impact Analysis, Armtec Master Plan, prepared by Urban Crossroads, July 26, 2024.

X. HYDROLOGY AND WATER QUALITY Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:			X	
(i) result in substantial erosion or siltation on- or off-site;			X	
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;			X	
(iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			X	
(iv) impede or redirect flood flows?			X	
(d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X
(e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

Setting

Domestic Water

Coachella Water Authority (CWA) currently provides domestic water to the Project site via water lines located immediately east of the Project site. CWA is a retail public water supplier that is administered and managed by the City of Coachella. CWA works with the Coachella Valley Water District (CVWD) to ensure a sufficient water supply for the region in a manner consistent with its Urban Water Management (UWMP).

Local water sources include groundwater from the Coachella Valley Groundwater Basin and imported supplies that replenish the aquifer. The primary source of domestic water is groundwater that is extracted from wells in the Indio Subbasin of the Coachella Valley Groundwater Basin. All groundwater is extracted via city owned and operated wells.

Wastewater

The City's wastewater conveyance and treatment services are operated by the Coachella Sanitary District (CSD) which was established in 1936 and maintains approximately 90 miles of wastewater conveyance pipeline, two pump stations, and a wastewater treatment plant. The diameter of the wastewater conveyance pipelines range from 4 to 54 inches. The two pump stations are: Coachella Valley High School Pump Station (CVHS PS) and Polk Street Pump Station (City of Coachella 2015 Sewer System Master Plan; Figure 2-1). The City's wastewater treatment plant is located at Avenue 54 and Polk Street and its capacity is 4.5 million gallon per day (MGD). The city also receives wastewater conveyance and treatment services through the Valley Sanitary District (VSD) for flows generated within the incorporated boundary; however, CSD is the primary service provider.

Flood Control

The Coachella Valley Stormwater Channel (CVSC) (known as the Whitewater River Stormwater Channel in the western Coachella Valley) is the primary drainage/surface water feature in the region. CVWD maintains and operates the CVSC and all regional drainage and flood control facilities within the city. The project site is located 1-mile southwest of the CVSC and lies within FEMA X Zone which indicates an area with minimal flood hazards (Map No. 06065C2270H). The City enforces standard requirements for the retention of storm flows and participates in the National Pollution Discharge Elimination System (NPDES) to ensure the protection of surface waters from pollution.

City of Coachella requires that runoff water stored on-site must be evacuated completely via infiltration within a period of 72 hours in order to comply with vector control concerns. To help facilitate this requirement, City of Coachella has limited the maximum depth of stored runoff within any basin to 3.5 feet and establishes a design infiltration rate for basin storage at 10 gal./SF/day (0.67 in/hr), thereby ensuring total evacuation of the basins via infiltration within the required period. A Preliminary

Hydrology Report was prepared for the Project that analyzes the site's drainage patterns and proposed on-site drainage design. (Appendix F).

Surface Water Quality

Water quality of regional surface water is largely dependent upon land uses that affect runoff, including agriculture and industrial land uses. Runoff produced by storms, agricultural irrigation, and urban activities can transport pollutants from the ground surface and have the potential to affect water quality in drainage channels. The CVSC, which drains to the Salton Sea, is the primary channel in Coachella.

Discussion of Impacts

a) Less than Significant Impact. A significant impact may occur if a Project discharges water which does not meet the quality standards of agencies that regulate surface or ground water quality and water discharge into stormwater drainage systems.

The site currently drains to the southern boundary to an existing retention basin located at the southeast corner of the site with overflow directed to adjacent roadways. City of Coachella requires that runoff water stored on-site must be evacuated completely via infiltration within a period of 72 hours in order to comply with vector control concerns. The Project proposes three new retention basins designed to meet the City's requirements for the retention of 100-year storm flows, with overflow directed to adjacent roadways.

All construction activities and long-term operation onsite must comply with the National Pollutant Discharge Elimination System (NPDES) permit program that requires pollution prevention measures to minimize the discharge of construction pollutants such as fuels, oils, and solvents. The City requires the preparation of a Water Quality Management Plan (WQMP), and the Storm Water Pollution Prevention Plan (SWPPP) for the Project, to address the construction and operational control of surface water pollution. The Project will also be required to comply with Regional Water Quality Control Board waste discharge requirements, including surface water pollution control, through the implementation of Best Management Practices, which will be reviewed and approved by the City prior to construction. Additionally, the CWA as a utility provider is mandated to comply with the Regional Water Quality Control Board standard which ensures and protects water quality.

The Project's proposed drainage system in connection with existing CWA infrastructure in adjacent roadways is in compliance with the NPDES and the City's regulation standards. The proposed development does not violate local, state, or federal water quality standards or regulations. For these reasons, the impact is expected to be less than significant.

b) Less than Significant Impact. The proposed Project will require potable water for use in research/production facilities, and the storage warehouses. The American Water Works Association Research Foundations (AWWARF's) Commercial and Industrial End Uses of Water and the U.S. Energy Information Administration's Commercial Buildings Energy Consumption Survey (CBECS) have determined water demand factors for land use categories similar to those proposed by the Project. As shown in the table below, the Project has the potential to generate a demand of 7.57 acre-feet per year.

Table 7
Water Demand at the Project Buildout

Proposed Land Use	Square Footage	Water Consumption Factor	Water Demand (gpy)	Total Water Demand At buildout (AFY)
Warehouse/Storage	37,800	3.4 gal/SF/year	127,082	0.39
General Office (Production/Research Facility	18,000	15 gal/SF/year	270,456	0.83
Landscape Estimate (rough)	97,000	Footnote 1 for Equation		6.35
			TOTAL	**7.57**
1. Outdoor irrigation water demand equation is [SF x Evapotranspiration (ETo) or ETo Zone 4 from CVWD Landscape Ordinance 1302.5, Appendix C x Evapotranspiration Adjustment Factor (ETAF) x conversion factor] / 325,851. [97,000 x 76.46 x 0.45 x 0.62] / 325,851 = 5.45 AFY				

The Coachella Valley's largest water supply source is groundwater from the Whitewater River Basin. CWA works with five other Coachella Valley water suppliers to manage the underground water basins and to better serve the City and greater Coachella Valley. The proposed Project is consistent with the land use designation assigned to it in the General Plan, on which, in part, CWA based its future water demand analysis when contributing to the 2020 Coachella Valley Regional Urban Water Management Plan (RUWMP). According to the 2020 RUWMP, CWA anticipated a total water demand (deliveries) of 10,869 AF/year in 2025.[9] The proposed Project represents 0.07 percent of the projected 2025 CWA water demand. The project will connect to existing on-site water lines. No new wells or additional water infrastructure are proposed. Therefore, project impacts associated with domestic water demand are expected to be less than significant.

The Project will be required to comply with the City and CWA's water-efficiency requirements, including the use of drought-tolerant planting materials and limited landscaping irrigation. Buildings will be equipped with water efficient fixtures in compliance with Building Code requirements to reduce water consumption.

[9] Table 5-7. DWR 4-2R Projected Demands for Water (AF), 2020 Coachella Valley Regional Urban Water Management Plan, prepared by Water Systems Consulting, Inc. June 30, 2021

Implementation of these and other applicable requirements will assure that water-related impacts remain at less than significant levels.

c.i-iv) Less than Significant Impact. The Project site consists of generally flat terrain and contains no rivers or streams. The northern parcel is vacant and the southern parcel is developed with the existing Armtec facility. The proposed Project will increase impermeable surfaces onsite and, therefore, increase onsite storm flows.

The site currently drains to the southern boundary to an existing retention basin located at the southeast corner of the site with 169,929 cubic feet of stormwater storage volume, with overflow directed to perimeter streets. The Project proposes three retention basins to be constructed during Phase 2, including a 9,900 SF retention basin on the northern parcel and two retention basins totaling 65,750 SF on the southern parcel. According to the Preliminary Hydrology Report (Appendix F), the Project is required to provide for 18,216 cubic feet of additional 100-year stormwater retention on the northern parcel, and 9,142 cubic feet on the southern parcel. The proposed retention basins provide 21,778 cubic feet of retention on the northern parcel, and 32,822 cubic feet of retention on the southern parcel. The proposed basins meet the City's design requirements for the retention of storm flows. Runoff that exceeds the capacity of the on-site retention basin storage systems in an emergency overflow condition is designed to overflow onto perimeter public streets, Avenue 53 to the north and Tyler Street to the east, then east from Tyler Street following a dedicated drainage easement toward the Coachella Velley Stormwater Channel.

The proposed Project will be required to comply with the City's storm water retention requirements, including the approval of a project-specific final hydrology study and water quality management plan prior to the issuance of building permits. In addition, implementation of City required BMPs will reduce pollutants of concern that may enter nearby receiving waters and help reduce short and long-term water quality impacts caused by the construction and operation of the proposed Project. Approval of the WQMP, SWPPP, and the required BMPs will reduce impacts to surface waters by reducing erosion, siltation, and eliminating pollutants in storm flows. With the implementation of this standard requirement, the impacts to downstream water bodies associated with surface water pollution will be less than significant.

d) No Impact. The proposed Project site is not located in the vicinity of a body of water that can produce seiche, tsunami, or mudflow. The project site lies within FEMA X Zone which indicates an area of minimal flood hazards (Map No. 06065C2270H) and is not within a 100- to 500-year flood zone, thus reducing the chance of releasing pollutants due to flooding. Impacts are expected to be less than significant.

e) **Less Than Significant Impact**. The CWA follows the California Regional Water Quality Control Board regulations and the NPDES permit program that requires pollution prevention measures to minimize the discharge of construction pollutants such as fuels, oils, and solvents. The City requires the preparation of a Water Quality Management Plan (WQMP), and the Storm Water Pollution Prevention Plan (SWPPP) for the Project, to address the construction and operational control of surface water pollution. The Project is consistent with the General Plan land use designation assigned to the property, and its anticipated water demand is addressed in the 2020 Coachella Valley regional UWMP. Therefore, it will not conflict with a sustainable groundwater management plan. Adherence to the City's standard requirements related to water quality will ensure there will be no impacts to a water quality control plan because the Project will implement BMPs through its SWPPP and WQMP to reduce surface water quality impacts. These standard requirements assure that impacts will be less than significant.

Mitigation Measure: Mitigation not required.

Monitoring: Monitoring not required.

Source: Preliminary Hydrology Report, Armtec Defense Technologies, prepared by The Altum Group, February 3, 2025; FEMA Map No. 06065C2270H.

XI. LAND USE AND PLANNING Would the project:	Potentially Significant Impact	Less Than Significant w/ Mitigation	Less Than Significant Impact	No Impact
a) Physically divide an established community?				X
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?			X	

Setting

The City of Coachella and SOI consist of urban settlement (residential, industrial, and commercial land uses), agricultural land, open space, and undeveloped land. Most of the urban and residential development is within the western City, including Coachella's downtown, civic buildings, commercial corridors, and major residential development. The eastern City and SOI consist mostly of open space, agriculture, and tribal land.

The northern parcel is designated "Urban Employment" on the 2035 General Plan land use map and is zoned for "Urban Employment" (U-E). The southern parcel is designated "Industrial District" on the General Plan land use map and zoned for "Heavy Industrial (M-H)." These land use designations provide for a range of employment opportunities and accommodates higher concentrations of heavy business activity.

The property is also within the General Plan Airport District Subarea. The Airport District is one of the primary industrial areas of the city. The Project site is in Zone D of the Jacqueline Cochran Airport Land Use Compatibility Plan.

Discussion of Impacts

a) **No Impact.** The northern parcel of the Project site is largely vacant with exception of the Phase 1 solar array on the eastern portion, and the southern parcel contains the existing Armtec facilities. The surrounding area is a mix of residential, commercial, agricultural, and vacant lots. All commercial uses and residential communities operate independently and will not be divided by the Project. The Project will not physically divide an established community.

b) **Less Than Significant Impact.**

<u>General Plan</u>
The Project site is designated as Urban Employment and Industrial District in the General Plan. The intent and purpose of the Urban Employment Center is to provide a range of employment uses to help expand and diversify the City's

economy and transform Coachella from a small town into a full-service city. Urban employment centers are the primary location for office and professional jobs, supported by retail, services and homes. The intent and purpose of the Industrial District is to provide a range of light and heavy commercial and industrial businesses. The Project proposes the expansion of the existing Armtec facilities, which is consistent with the industrial land uses described in Industrial District land use designation.

Among the Project's goals are ensuring high-quality development within the Project area and expanding the production and storage capabilities of the existing Armtec facility. It is also consistent with the following General Plan Safety Element and Land Use and Community Character Element goals and policies:

Safety Element

Goal 5. Hazardous Materials Management. A community that has reduced the potential for hazardous materials contamination

Policies

5.3 Hazardous materials siting. Prohibit the placement of proposed new facilities that will be involved in the production, use, storage, transport or disposal of hazardous materials near existing land uses that may be adversely affected by such activities. Conversely, prohibit the development of new sensitive facilities (like schools, child-care centers, nursing homes, senior housing, etc.) near existing sites that use, store or generate hazardous materials

Consistency Analysis: As discussed in Section IX Hazards and Hazardous Materials response a), Safety protocols established by the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) require the proposed buildings be constructed as a Type 4 magazine which consist of formed and poured concrete construction with reinforced roofs (ATF 27 CFR § 555.203 and 27 CFR § 555.210). The proposed buildings will be placed beyond the required safety distances for Hazard Class (HC) 1.4 "low explosives," which require an inhabited-building distance (IBD) of 100 ft from inhabited buildings or public traffic routes.[10] From the property line and/or public right-of-way, proposed Phase 2 structures are setback approximately ±230 feet south of Avenue 53, ±220 feet east of the soccer field, and ±169 feet west of Tyler Street. The nearest Phase 3 structure adjacent to a roadway (Tyler Street) would be setback a minimum distance of 100 feet.

[10] Safety regulations per DoD 4145.26-M, DOD 6055.09-STD, DOD 5100.76M, California Code of Regulations, Title 8, Section 5189, Bureau of Alcohol Tobacco, Firearms and Explosives (ATF), Title 27 Part 555 & Title 29, Code of Federal Regulations, 1910.109

5.5 **Hazardous materials transport routes.** Identify roadways along which hazardous materials are routinely transported and if schools, medical facilities, child-care centers or other facilities with special evacuation needs are located along these routes, the City, together with these facilities, will identify emergency response actions that can be implemented if a roadway accident results in the unauthorized release of hazardous materials.

Consistency Analysis: The applicant is required to submit a hazardous materials transport route plan identifying truck routes anticipated for the Project. The City has requested that outreach efforts be conducted to any schools, medical facilities, child-care centers, or other facilities with special evacuation needs along these routes.

Land Use and Community Character Element

Goal 7. **Districts. A series of unique, destination-oriented districts throughout Coachella that provide space for large-format retail, industrial and resort uses in order to increase access to jobs, provide amenities for residents and improve the fiscal stability of the City.**

Policies

7.2 Industrial expansion. Actively seek to expand the amount of industrial uses in Coachella as a source of jobs and economic development. Industrial uses should be focused in subareas 5, 7 and 8

7.4 Impact of industrial development. Require new development within the City's industrial districts be designed for compatibility with surrounding uses to minimize impact and cultivate connectivity with each district.

7.5 Industrial compatibility. Where industrial uses are near existing and planned residential development, require industrial projects be designed to limit the impact of truck traffic on residential areas.

Consistency Analysis: The Project proposes the expansion of the existing Armtec facilities, located withing subarea 5, and will be designed in accordance with the following General Plan policies identified by the City during the Pre-Application Review process:

Urban Employment Center Policies

- Streets should be designed for slow speeds, convenient curbside parking and easy and safe pedestrian crossing.
- High-branching deciduous trees with relatively open canopy structure are recommended to increase the visibility of buildings and signage. Palms can provide vertical accents in selected locations but should generally be used in combination with canopy trees that provide welcome shade.
- Building heights are generally two to five stories.
- Services and trash should be located behind the buildings in alleys or rear parking areas.
- Concrete buildings—including good quality tilt-up buildings designed with appropriate urban facades—as well as buildings clad with metal are appropriate in the Urban Employment zone.

Industrial District Policies

- Within multi-building complexes or campuses – whether designed for large users or as a multitenant industrial development – the major drives should be designed as small streets, defined by rows of "street trees" to project the image of valuable business addresses.
- Rows of deciduous trees are recommended along the private streets and within the parking fields to provide shade.
- Buildings should face the street with simple, attractive facades with main entries and windows, welcoming visitors, providing light and view for the occupants and animating the architecture.
- Buildings may be set back from the street with appropriate landscaping to provide an attractive visual buffer.
- Loading functions should be located toward the rear of the property. Employee parking lots should also be located beside or behind buildings when possible rather than in front.
- Simple modern masonry and concrete architecture is recommended. Large buildings should be organized into multiple simple masses and articulated with fenestration. Galleries, arcades, and projecting sunscreens are recommended architectural elements, providing valuable shade and visual depth to the architecture.
- Natural masonry, concrete and metal materials that weather and age with grace, are recommended.

General

- Require architecture, building materials and landscape design to respect and relate to the local climate, topography, history, and building practices.

- Walkable streets. Regulate new development to ensure new blocks encourage walkability by maximizing connectivity and route choice, create reasonable block lengths to encourage more walking and physical activity and improve the walkability of existing neighborhood streets
- Parking Lots shall not dominate the frontage of Urban Employment Centers.
- Establish an interconnected open space network throughout Coachella that serves as a network for active transportation, recreation and scenic beauty and connects all existing and future areas of the City. In particular, connections should be made between preserved open spaces, parks, the Downtown, Neighborhood Centers and other destinations within the City.
- Improve health outcomes by creating a safe and convenient circulation system for pedestrians that focuses on crosswalks.
- Pedestrian network. Improve health outcomes by creating a safe and convenient circulation system for pedestrians that focuses on crosswalks, improves the connections between neighborhoods and commercial areas, provides places to sit or gather, pedestrian-scaled street lighting, buffers from moving vehicle traffic, etc.

Zoning

The Project has been developed in accordance with City regulations and development standards as provided in its zoning code. The proposed industrial land uses are allowed under permitted and conditionally permitted developments for U-E and M-H zoning districts. Phase 2 includes a Conditional Use Permit (CUP 389) to allow the storage warehouse building and truck staging area on the northern parcel zoned U-E, and for the R&D building on the southern parcel zoned M-H. Therefore, because the proposed industrial are either permitted or conditionally permitted with permits, and development is in accordance with applicable development standards with the Zoning Code, there is no conflict.

Airport Land Use Compatibility Plan

The Project site is located approximately 1.3 acres north of the Jacqueline Cochran Regional Airport. The site is within Zone D of the Airport Land Use Compatibility Plan. Industrial use intensities in Zone D are limited to less than 100 people per acre.[11] Currently Armtec employs a total of 309 people, which is equivalent to 6 (5.87) employees per acre (52.65-acre site). The operation of the proposed buildings will be managed by existing staff, and the Project does not include plans to hire additional employees. Therefore, the Project would not exceed the industrial employment limit of 100 people per acre for projects located in Zone D of the Airport Land Use Compatibility Plan.

[11] Riverside County Airport Land Use Compatibility Plan Policy Document – East County Airports Background data. Chapter 3, JC. Jacqueline Cochran Regional Airport, pg. 3-18.

Summary

The proposed Project supports the General Plan's policies regarding the development of industrial projects in the Airport District, and does not exceed the employee limit for industrial projects located in Zone D of the Airport Land Use Compatibility Plan. Therefore, the proposed Project will be consistent with adopted plans and programs and impacts to land use policy are expected to be less than significant.

Mitigation Measures: None.

Monitoring: None.

Source: Riverside County Airport Land Use Compatibility Plan Policy Document – East County Airports Background data. Amended September 2006). Coachella 2035 General Plan, Land Use and Community Character Element.

XII. MINERAL RESOURCES Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

Setting

The California Mineral Land Classification System, developed by the State Geologist, identifies Mineral Resources Zones (MRZs) for mapping and reporting purposes under the Surface Mining and Reclamation Act (SMARA). The western portion of the City, including the Project site, is classified as MRZ-1, where available geological information indicates that little likelihood exists for presence of significant mineral resources. The northeastern portion of the City is classified as MRZ-3, which indicates the area has known mineral deposits that may qualify as mineral resources (MRZ-3a), or the area may have inferred deposits which may qualify as mineral resources (MRZ-3b). Two permitted mining operations occur in the MRZ-2 area in the SOI, but none occur in the City.

Discussion of Impacts

a, b) No Impact. Most of the Project site is currently occupied by the existing Armtec facility. The Project area is located in a State-designated Mineral Resource Zone MRZ-1, which is defined as an area "where available geological information indicates that little likelihood exists for presence of significant mineral resources." The Project site occurs in an urban setting and is not designated for mineral resource extraction; therefore, the Project would not result in the loss of availability of a mineral resource or a mineral resource recovery site. No impacts would occur and no mitigation measures would be required.

Mitigation Measures: None.

Monitoring: None.

Source: City of Coachella General Plan Update, Environmental Impact Report, SCH #: 2009021007. July 2014.

XIII. NOISE Would the project result in:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Generation of substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a primary airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			X	

Setting

Traffic is the predominant source of noise in the City of Coachella, with other major noise sources including the railway, manufacturing processing and distribution facilities. Other, less significant noise sources in Coachella include aircraft overflights, air conditioning units and other mechanical equipment on buildings, and landscaping equipment.

A Project-specific Noise Impact Analysis was prepared by Urban Crossroads in July 2024 (Appendix G). The following Tables present the exterior dBA CNEL traffic noise levels under existing (2024) conditions and existing plus ambient growth plus cumulative (EAC) 2026 without Project conditions within the larger Project area. The noise contours represent the distance to noise levels of a constant value and are measured from the center of the roadway for the 70, 65, and 60 dBA CNEL noise levels.

Table 8
Existing 2024 Without Project Noise Level Contours

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.2	41	88	190
2	Tyler St.	s/o Avenue 53	69.3	36	77	166
3	Tyler St.	s/o Armtec Entrance	68.2	30	65	141
4	Palm St.	s/o Grapefruit Blvd.	62.5	9	20	44
5	Grapefruit Blvd.	w/o Tyler St.	76.4	81	174	374
6	Grapefruit Blvd.	w/o Palm St.	75.2	67	145	312
7	Grapefruit Blvd.	e/o Palm St.	72.3	43	93	200
8	Airport Blvd.	w/o Palm St.	72.0	62	134	289

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

Table 9
EAC 2026 Without Project Noise Level Contours

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.5	43	93	200
2	Tyler St.	s/o Avenue 53	69.6	38	81	174
3	Tyler St.	s/o Armtec Entrance	68.5	32	69	148
4	Palm St.	s/o Grapefruit Blvd.	64.1	12	26	56
5	Grapefruit Blvd.	w/o Tyler St.	76.7	84	180	388
6	Grapefruit Blvd.	w/o Palm St.	75.9	74	159	342
7	Grapefruit Blvd.	e/o Palm St.	73.0	48	103	221
8	Airport Blvd.	w/o Palm St.	72.4	66	142	307

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

The noise analysis also recorded existing noise measurements for five receiver locations in proximity to the Project site to determine baseline ambient noise conditions.

Table 10 24-Hour Ambient Noise Level Measurements			
Receiver	**Location**	**Energy Average Hourly Noise Level (dBA Leq)[2]**	
		Daytime	**Nighttime**
R1	Located west of the site near the residence at 53330 Shady Ln. approximately 1,363 feet west of Project site.	49.5	45.3
R2	Located south of the site near the residence at 85755 Avenue 54 approximately 1,403 feet south of Project site.	64.4	62.2
R3	Located east of the site near the residence at 53460 Tyler St. approximately 100 feet east of Project site.	64.4	64.0
R4	Located east of the site near the residences at 53450 Tyler St. approximately 114 feet east of Project site.	63.0	61.8
R5	Located north of the site near the residence at 85925 Avenida Raylynn approximately 102 feet north of Project site.	65.5	63.6

Noise impacts shall be considered significant if any of the following occur as a direct result of the proposed Project.

Table 11 Noise Significance Criteria Summary				
Analysis	**Land Use**	**Condition(s)**	**Significance Criteria**	
			Daytime	**Nighttime**
Offsite Noise	Noise-Sensitive	if ambient is < 60 dBA Leq[1]	≥ 5 dBA Leq Project increase	
		if ambient is 60 - 65 dBA Leq[1]	≥ 3 dBA Leq Project increase	
		if ambient is > 65 dBA Leq[1]	≥ 1.5 dBA Leq Project increase	
Aircraft	All	Exterior Noise Level Standards[2]	See Exhibit 3-C	
Operational Noise	Noise-Sensitive	Exterior Noise Level Standards[3]	55 dBA Leq	45 dBA Leq
		if ambient is < 60 dBA Leq[1]	≥ 5 dBA Leq Project increase	
		if ambient is 60 - 65 dBA Leq[1]	≥ 3 dBA Leq Project increase	
		if ambient is > 65 dBA Leq[1]	≥ 1.5 dBA Leq Project increase	
Construction Noise & Vibration	Permitted Construction Hours[4]	**October 1st to April 30th** 6:00 a.m. to 5:30 p.m. Mondays to Fridays	**May 1st to September 30th** 5:00 a.m. to 7:00 p.m. Mondays to Fridays	
		All Year: 8:00 a.m. to 5:00 p.m. Saturdays, Sundays, and holidays		
	Noise-Sensitive	Noise Level Threshold[5]	80 dBA Leq	n/a
		Vibration Level Threshold[6]	0.30 PPV (in/sec)	n/a

[1] Source: FICON, 1992.
[2] Source: Riverside County ALUCP, 2004
[3] Source: City of Coachella Municipal Code, Section 7.04.030 (A).
[4] Source: City of Coachella Municipal Code, Section 7.04.070.
[5] Source: Federal Transit Administration, Transit Noise Vibration Impact Assessment Manual.
[6] Source: U.S. Department of Transportation Federal Transit Administration, Transit Noise and Vibration Impact Assessment, May 2006.
"Daytime" = 6:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 6:00 a.m.; "n/a" = No nighttime operation is anticipated at the Project site and no nighttime construction activity is permitted, and therefore, no nighttime noise level thresholds are identified.

The Project is located within Zone D of the Jacqueline Cochran Regional Airport (JCRA) Airport Land Use Compatibility Plan (ALUCP), which identifies land use and noise level compatibility due to operations at airports as well as forecasted noise level contours based on future operations at each airport.

Discussion of Impacts

a) Less than Significant Impact. The Project site is largely developed with the existing Armtec facility. The main noise source in the area is vehicular traffic accessing the site and on Tyler Street and Avenue 53. The surrounding area mainly consists of residential development and agricultural or vacant fields. The nearest sensitive receptors are the residences immediately east of Tyler Road, approximately 100 feet east of the Project site at their closest point.

Construction Noise

Noise generating construction activities would include site preparation, excavation, grading, the construction and finishing of the proposed buildings, and paving. Noise levels surrounding the Project site could be elevated for short periods of time, as equipment moves through the site. These noise levels would be limited to the less sensitive daytime hours and would cease once building construction began. Project construction will temporarily increase ambient noise levels from the operation of heavy equipment and machinery. Grading, construction, paving, and other development activities will involve the operation of graders, excavators, bulldozers, dump trucks, and similar equipment. Heavy equipment can generate noise levels ranging from 70 to 90 dBA at 50 feet from the source. The Federal Transit Administration (FTA) considers a daytime exterior construction noise level of 80 dBA L_{eq} as a threshold for noise sensitive residential land use, and a noise level of 85 dBA L_{eq} for commercial locations.

The construction noise analysis determined that the nearest receiver locations would satisfy the reasonable daytime 80 dBA L_{eq} significance threshold during Project construction activities as shown in the Table below. Therefore, the noise impacts due to Project construction noise are considered less than significant at all receiver locations.

Table 12
Construction Noise Level Compliance

Receiver Location	Construction Noise Levels (dBA L_{eq})		
	Highest Construction Noise Levels	Threshold	Threshold Exceeded?
R1	48.6	80	No
R2	47.5	80	No
R3	58.1	80	No
R4	58.3	80	No
R5	58.6	80	No
Source: Table 11-3 of Noise Impact Analysis.			

Off-Site Traffic Noise Impacts

During long-term operation, the Project will permanently increase ambient noise levels in the Project area. Noise will be generated by vehicles accessing the site, mechanical equipment (such as HVAC units), and landscaping equipment.

Table 8 presents the Existing 2024 without Project conditions, expected to range from 62.5 to 76.4 dBA CNEL, and Table 9 presents the EAC 2026 without Project conditions, expected to range from 64.1 to 76.7 dBA CNEL. As shown in Table 13 and Table 14, the addition of the Project will generate a noise level increase of up to 0.2 dBA CNEL on the study area roadway segments under both existing and EAC conditions. Based on the significance criteria in Table 11 for off-site traffic noise impacts, the Project-related noise level increases are considered less than significant under Existing conditions at the land uses adjacent to roadways conveying Project traffic.

Table 13
Existing Off-Site Project-Related Noise Impacts

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold	
			No Project	With Project	Project Addition	Limit	Exceeded?
1	Tyler St.	s/o Grapefruit Blvd.	70.2	70.4	0.2	1.5	No
2	Tyler St.	s/o Avenue 53	69.3	69.5	0.2	1.5	No
3	Tyler St.	s/o Armtec Entrance	68.2	68.2	0.0	1.5	No
4	Palm St.	s/o Grapefruit Blvd.	62.5	62.6	0.1	3.0	No
5	Grapefruit Blvd.	w/o Tyler St.	76.4	76.5	0.1	1.5	No
6	Grapefruit Blvd.	w/o Palm St.	75.2	75.3	0.1	1.5	No
7	Grapefruit Blvd.	e/o Palm St.	72.3	72.4	0.1	1.5	No
8	Airport Blvd.	w/o Palm St.	72.0	72.0	0.0	1.5	No

[1] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.

Table 14
EAC Off-Site Project-Related Noise Impacts

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold	
			No Project	With Project	Project Addition	Limit	Exceeded?
1	Tyler St.	s/o Grapefruit Blvd.	70.5	70.7	0.2	1.5	No
2	Tyler St.	s/o Avenue 53	69.6	69.8	0.2	1.5	No
3	Tyler St.	s/o Armtec Entrance	68.5	68.6	0.1	1.5	No
4	Palm St.	s/o Grapefruit Blvd.	64.1	64.1	0.0	3.0	No

Table 14 EAC Off-Site Project-Related Noise Impacts							
ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold	
			No Project	With Project	Project Addition	Limit	Exceeded?
5	Grapefruit Blvd.	w/o Tyler St.	76.7	76.7	0.0	1.5	No
6	Grapefruit Blvd.	w/o Palm St.	75.9	75.9	0.0	1.5	No
7	Grapefruit Blvd.	e/o Palm St.	73.0	73.0	0.0	1.5	No
8	Airport Blvd.	w/o Palm St.	72.4	72.4	0.0	1.5	No
[1] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.							

Operational Noise Impacts

The Project would generate noise from on-site operational activities, including roof top air conditioners and a truck staging/loading area. The operational noise levels related to the roof top air conditioners and a truck staging/loading area associated with the Project are considered exempt from the City of Coachella Municipal Code noise standards. However, to demonstrate compliance with CEQA Guidelines, the noise analysis evaluated the potential operational noise levels against the City of Coachella Municipal Code exterior noise standards at the closest noise-sensitive receiver locations.

The noise analysis includes a noise prediction model that utilizes the CadnaA (Computer Aided Noise Abatement) computer program, that calculates the distance from each noise source to the five noise receiver locations identified, using the ground absorption, distance, and barrier/building attenuation inputs to provide a summary of noise level at each receiver and the partial noise level contributions by noise source. The Table below shows that the Project-related operational noise levels at the closest sensitive receiver locations will range from 17.2 to 48.4 dBA L_{eq} and will satisfy the residential daytime 55 dBA L_{eq} and nighttime 45 dBA L_{eq} noise level standards of the City of Coachella Municipal Code.

Table 15 Operational Noise Level Compliance						
Receiver Location[1]	Project Operational Noise Levels (dBA L_{eq})		Noise Level Standards (dBA L_{eq})		Threshold Exceeded?	
	Day	Night	Day	Night	Day	Night
R1	48.4	17.2	55	45	No	No
R2	41.0	19.4	55	45	No	No
R3	44.4	34.4	55	45	No	No
R4	46.5	37.2	55	45	No	No

Table 15 Operational Noise Level Compliance						
Receiver Location[1]	Project Operational Noise Levels (dBA L_{eq})		Noise Level Standards (dBA L_{eq})		Threshold Exceeded?	
	Day	Night	Day	Night	Day	Night
R5	46.8	21.8	55	45	No	No
[1] See Table 10 for the receiver locations.						

The noise analysis also assessed the Projects operational noise level contributions by combining the Project operational noise levels with the existing ambient noise levels measurements for the off-site receiver locations potentially impacted by Project operational noise sources. Noise levels that would be experienced at receiver locations when Project-source noise is added to the ambient daytime and nighttime conditions are presented in Tables 16 and 17, respectively. As shown in the tables below, Project operational stationary-source noise would not result in a substantial temporary/periodic, or permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project and impacts in these regards will be less than significant.

Table 16 Daytime Operational Noise Level Contribution (DBA L_{eq})						
Receiver Location	Total Project Operational Noise Level[2]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	48.4	49.5	52.0	2.5	5.0	No
R2	41.0	64.4	64.4	0.0	3.0	No
R3	44.4	64.4	64.4	0.0	3.0	No
R4	46.5	63.0	63.1	0.1	3.0	No
R5	46.8	65.5	65.6	0.1	1.5	No

Table 17 Nighttime Operational Noise Level Contribution (DBA L_{eq})						
Receiver Location	Total Project Operational Noise Level[2]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	17.2	45.3	45.3	0.0	5.0	No
R2	19.4	62.2	62.2	0.0	3.0	No
R3	34.4	64.0	64.0	0.0	3.0	No
R4	37.2	61.8	61.8	0.0	3.0	No
R5	21.8	63.6	63.6	0.0	3.0	No

b) **Less than Significant Impact.** Groundborne vibration and/or groundborne noise will be produced by heavy equipment during the construction phase of the Project. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Ground vibration levels associated with various types of construction equipment including bulldozers, jackhammers, loaded trucks and vibratory rollers range from 0.003 to 0.210 PPV (in/sec) at a distance of 25 feet. The nearest sensitive noise and vibration receivers are located between 50 feet (during construction of off-site improvements) to 1,403 feet from the building façade to the Project construction activities. At these distances, construction vibration velocity levels are estimated to range from less than 0.01 up to 0.03 (in/sec). Based on the maximum acceptable continuous vibration threshold of 0.30 PPV (in/sec), the typical Project construction vibration levels will fall below the building damage thresholds at all noise sensitive receiver locations. Therefore, the Project-related vibration impacts are considered less than significant during typical construction activities at the Project site.

c) **Less than Significant Impact.** The Jacqueline Cochran Regional Airport (JCRA) is located approximately 1.3 miles south of the Project site. The Project is within Zone D of the Riverside County ALUCP compatibility zones and the ALUCP stipulates that so long as the density of the Project is restricted to 100 people/acre the potential conflict can be abated for non-residential uses within the zone. The Project lies outside of the 55 dBA CNEL contour for JCRA and is therefore below the compatibility standards of 55 dBA CNEL as shown on the significance criteria table (Table 11). Therefore, impacts due to aircraft noise would be less than significant.

Mitigation Measures: None required.

Monitoring: None required.

Source: Armtec Master Plan Noise Impact Analysis, prepare by Urban Crossroads, July 2024.

XIV. POPULATION AND HOUSING Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

Setting

According to the California Department of Finance, the population of the City of Coachella was estimated to be 43,173 (2024). The City housing stock is composed of a mix of single-family and multi-family development, but the majority (70.8 percent) of housing units are single-family detached homes.

Discussion of Impacts

a) **No Impact.** The Project proposes the expansion of the existing Armtec facility resulting in additional storage warehouses, production space and truck parking. No new homes, businesses, or extensions of public roads or other infrastructure are proposed. The Project site is designated Urban Employment and Industrial District in the General Plan; therefore, the site is not part of planned population growth in the city. The Project is consistent with this designation and, therefore, there are no impacts associated with population growth.

b) **No Impact.** The subject property is currently occupied by Armtec facilities, and the proposed Project would not displace any existing housing or persons or require the construction of housing elsewhere. No impact will occur.

Mitigation Measures: None.

Monitoring: None.

Source: California Department of Finance 2024 data on City/County Population and Housing Estimates.

XV. PUBLIC SERVICES **Would the project result in:** Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	**Potentially Significant Impact**	**Less Than Significant with Mitigation**	**Less Than Significant Impact**	**No Impact**
Fire protection?			X	
Police protection?			X	
Schools?			X	
Parks?			X	
Other public facilities?			X	

Setting

Fire Protection

Fire protection services are provided by the Riverside County Fire Department and CalFire via a cooperative agreement. In relation to the site, the nearest Fire Department is Fire Station 79 location at 1377 6th Street, Coachella, approximately 1 mile northwest. The Riverside County Fire Department Station 79 is staffed by 18 full time personnel (with a minimum of six firefighters on duty at all times), 10 volunteer firefighters, and 10 explorer cadets. The department is a full-service public safety department which has provided fire suppression and emergency medical services to Coachella residents, businesses and visitors since 1990. During 2009 the Department responded to a total of 1,697 calls for service in the City.

The City may consider new stations to serve the growing entertainment district and northern area as well as the central area in the future as development occurs. The City's fire codes and measures follow the California Fire Code (Title 24, Part 9) establishing practices for safeguarding life and property from fire related disasters.

Police Protection

The Riverside County Sheriff's Department is contracted to provide comprehensive law enforcement services through the City of Coachella Police Department. The Riverside County Sherriff Thermal Station is located at 86625 Airport Boulevard in Thermal, approximately 1.5 miles southeast of the Project site.

The City Police Department is comprised of the Investigations, Patrol, Traffic, and Forensics Divisions with overlapping personnel. The Department consists of 32 sworn officer positions, 19 of which are dedicated to the Patrol Division with the remaining officers dedicated to special assignments such as the Community Action Team (C.A.T.), School Resource Officers, along with Gang and Narcotics Enforcement. The Patrol Division for the Coachella Police Department covers an area of over thirty (30) square miles and serves a population of over 40,000 residents. The Coachella Police Department responds to over approximately 24,000 calls for service or approximately (79) calls for service daily.

Schools

There are two school districts providing public education to students in kindergarten through 12th grade in Coachella: Desert Sands Unified School District (DSUSD) and Coachella Valley Unified School District (CVUSD). The majority of the City, including the Project site, occurs within CVUSD's service area. CVUSD receives funding from state funds and local property taxes. The nearest schools to the Project site include Valley View Elementary (0.5 miles northwest), Bobby Duke Middle School (0.7 miles northwest) and Calle Del Sol Elementary School (0.65 miles northeast).

Parks

The City of Coachella currently operates ten parks and recreational facilities that support uses such as sports, community activities and playground. The City's Municipal Code Section 16.36.060 provides for the dedication of land or the payment of fees in lieu thereof for park and recreational facilities as a condition of approval of a tentative map or parcel map. All residential developments subdivisions containing five or more parcels are required to dedicate land, pay a fee, or both. However, commercial and industrial uses are exempt from such payment per Section 16.36.060.E.

Discussion of Impacts

Fire Protection: Less than Significant.

The common national standard for fire service is one firefighter staff person per 1,000 City residents. According to the GP DEIR, Coachella has a ratio of 0.4 firefighter people per 1,000 residents. It is the goal of the RCFD fire service to have the first engine company arrive on the scene within five minutes 90 percent of the time. Response time to emergency calls within the City average approximately four minutes or less more than 80 percent of the time. (GP DEIR, p. 4.15-4). Therefore, the City is currently under serving

its residents. Because the City does not meet current demands, the GP EIR determined growth in population could result in an ever more decreased level of service and a higher demand for increased fire stations throughout the General Plan Planning Area.

The Project proposes the expansion of the existing Armtec facilities and is protected by fire services. The Project will result in an increased number of structures on site, but does not propose the hiring of additional employees. Therefore, the Project would not induce population growth which would increase the demand for fire protection services. The Project occurs 1 mile from the Fire Station 79, where the Fire Department provides existing service. The Project will not require the construction of new facilities or expansion of existing facilities to receive adequate services.

Project development will be in accordance with all state and local (Municipal Code and RCFD) fire standards to assure adequate fire safety and emergency access. The Project will be required to pay any necessary City development impact fees (Municipal Code Chapter 4.45) to contribute its fair share of costs for future fire facilities, personnel, and apparatus. Impacts would be less than significant. Therefore, impact will be less than significant.

Police Protection: Less than Significant

The site is currently occupied with the existing Armtec facilities and protected by police services. While the Project would marginally increase the number of structures, it does not propose the hiring of additional employees and therefore would not induce population growth that would increase the local demand for police services. The Project occurs 1.5 miles from the Riverside County Thermal Station, where the Police Department provides existing service. The Project will not require the construction of new facilities or expansion of existing facilities to receive adequate services.

The Project will be required to comply with all Police Department regulations and procedures, and Project plans will be reviewed by the Police Department to assure adequate emergency access is provided. The Project is not expected to require the construction of new or expanded police services or facilities. Impacts will be less than significant.

Schools: Less than Significant

The Project is within the CVUSD boundaries. The Project consists of industrial development and will not directly increase the student population. Nevertheless, the proposed Project will be subject to the CVUSD developer fees in place at the time development occurs, which currently stands at $0.78 per square foot of industrial development. Payment of the developer fee would mitigate potential significant impacts to school resources to less than significant levels.

Parks/ Other public facilities: Less than Significant

The Project does not include residential uses, and would not increase employment, that would increase the need for parks and recreational facilities. As such, the Project would not create the need for new parks and recreational facilities. Therefore, no impacts related to parks and recreational facilities would occur as a result of the Project.

Mitigation Measures: None required.

Monitoring: None required.

Source: City of Coachella General Plan Update EIR, October 2014; City of Coachella Website.

XVI. RECREATION Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				X

Setting

The City of Coachella provides a variety of recreation facilities and currently has eight parks that host various sports fields, a boxing club and swimming pools, as well as a tot lot and a community center, which total approximately 59.6 acres. The nearest recreational resource to the Project site is the Avenue 53 soccer fields located immediately west of the site.

The Desert Recreation District (DRD) also provides recreational services throughout the Coachella Valley. DRD manages, maintains and assists in maintaining over 30 parks and recreation facilities in the valley. DRD also offers a variety of quality programs, services and classes on physical fitness, mental wellness and arts and crafts.

Discussion of Impacts

a, b) **Less than Significant Impact.** The Project proposes the expansion of the existing Armtec facility. The proposed Project will be staffed by existing Armtec employees and city residents, and does not propose hiring additional employees. The Project does not propose residential uses, which would directly increase the city's population and demand for recreational resources. The proposed Project does not require the construction or expansion of recreational facilities, nor will it result in a noticeable increase of use, if any. Therefore, the Project will have no impact on recreation facilities

Mitigation Measures: None.

Monitoring: None.

Source: Website: City of Coachella Parks and Recreation. https://www.coachella.org/residents/parks-and-recreation**.** Accessed August 2024**.**

XVII. TRANSPORTATION Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?		X		
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			X	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?				X

Setting

In the City of Coachella, roadways are classified into different roadway types. Tyler Street, which will provide primary access to the proposed site, is classified as Primary Arterial with Bicycle Facility adjacent to the site. Avenue 53, which runs along the site's northern boundary, is classified as a Collector with Bicycle Facility adjacent to the site.

Urban Crossroads prepared a traffic impact analysis for the proposed Project in 2024 (Appendix H). The Traffic Analysis was prepared in accordance with the County of Riverside's Transportation Analysis Guidelines for Level of Service & Vehicle Miles Traveled (December 2020) as the City of Coachella does not have its own LOS/VMT analysis guidelines. The City's acceptable Level of Service (LOS) for both roadway segments and intersection operations in LOS D or better. All area roadways and intersections currently operate at acceptable levels.

The Project trip generation rates are based on Institute of Transportation Engineers, Trip Generation Manual, 11th Edition, 2021. The following land uses were used to describe the Project: warehousing (ITE Land Use Code 150), manufacturing (ITE Land Use Code 140), and research and development center (ITE Land Use Code 760).

CEQA Guidelines section 15064.3 sets forth guidelines for implementing SB 743 (stats. 2013, ch.386), which requires amendments to the CEQA Guidelines (pre-2019) to provide an alternative to LOS for evaluating transportation impacts. Changes to CEQA

Guidelines were adopted in December 2018, which require all lead agencies to adopt vehicle miles traveled (VMT) as a replacement for automobile delay-based LOS as the new measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. The City of Coachella has not adopted its own VMT policy yet; land use projects are analyzed using the County of Riverside's Transportation Analysis Guidelines for Level of Service & Vehicle Miles Traveled (December 2020).

Discussion of Impacts

a) Less than Significant with Mitigation. The Project proposes 37,800 SF in new storage space, 3,000 SF in new research and development/small production space, 15,000 SF in new production facilities, and a truck staging area. The Project also includes the following adjacent improvements:

- Expansion of vehicle lanes on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of concrete curbing on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of a 5-foot sidewalk on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of a 5-foot sidewalk along a separate parcel owned by Armtec (APN: 778-420- 014) that is west of the northern parcel, currently not a part of the Armtec campus and is leased to the City for its use as a soccer park. The sidewalk is to complete the missing link between Shady Lane and Tyler Street.

The Project is anticipated to generate a total of 169 trip-ends per day with 21 AM peak hour trips and 20 PM peak hour trips.

The traffic impact analysis considered 5 area intersections, and the potential impacts the Project could have on those intersections:

- Grapefruit Boulevard (Highway 111) / Tyler Street
- Tyler Street / Avenue 53
- Tyler Street / Armtec Entrance
- Grapefruit Boulevard (Highway 111) / Palm Street
- Palm Street / Airport Boulevard

The following scenarios were analyzed:

- Existing (2024) Conditions
- Existing plus Ambient Growth plus Project (EAP) (2026)
- Existing plus Ambient Growth plus Project Plus Cumulative (EAPC) (2026)

Existing (2024) Conditions

The analysis of Existing Conditions establishes the baseline for the Project's traffic analysis, and consideration of impacts. Under Existing Conditions, study area intersections operate at an acceptable LOS ("D" or better) during AM and PM peak hours.

Table 18
Intersection Analysis for Existing (2024) Conditions

Study Intersection	Traffic Control[1]	AM Peak Hour		PM Peak Hour	
		Average Delay[2]	LOS[3]	Average Delay[2]	LOS[3]
Grapefruit Bl. (Hwy. 111) / Tyler Street	AWS	15.7	C	27.9	D
Tyler Street / Avenue 53	CSS	11.9	B	13.7	B
Tyler Street / Armtec Entrance	CSS	10.5	B	11.4	B
Grapefruit Bl. (Hwy. 111) / Palm Street	TS	7.1	A	9.1	A
Palm Street / Airport Bl.	TS	11.8	B	12.4	B

[1] TS = Traffic Signal; CSS = Cross-street Stop., AWS = All-way-stop.
[2] Per the Highway Capacity Manual (7th Edition), overall average intersection delay and level of service are shown for intersections with a traffic signal, or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. Delay and level of service is calculated using Synchro 12 analysis software.
[3] LOS = Level of Service
BOLD = Unacceptable LOS.

The unsignalized study area intersection of Tyler Street at Grapefruit Boulevard / Highway 111 meets traffic volume warrants for installation of a traffic signal based upon existing traffic counts.

Existing Plus Ambient Plus Project (EAP) (2026) Conditions

For EAP (2026) traffic conditions, study area intersections continue to operate at an acceptable LOS during peak hours. For EAP conditions, no additional study area intersections meet the volume warrants for installation of a traffic signal (beyond the Tyler Street at Grapefruit Boulevard / Highway 111 intersection, which meets volume warrants for a signal based upon existing counts).

Table 19
Intersection Analysis for EAP (2026) Conditions

Study Intersection	Traffic Control[1]	AM Peak Hour		PM Peak Hour	
		Average Delay[2]	LOS[3]	Average Delay[2]	LOS[3]
Grapefruit Bl. (Hwy. 111) / Tyler Street	AWS	17.1	C	34.0	D
Tyler Street / Avenue 53	CSS	12.3	B	14.5	B
Tyler Street / Armtec Entrance	CSS	10.7	B	11.7	B
Grapefruit Bl. (Hwy. 111) / Palm Street	TS	7.4	A	9.4	A
Palm Street / Airport Bl.	TS	12.0	B	12.6	B

[1] TS = Traffic Signal; CSS = Cross-street Stop., AWS = All-way-stop.
[2] Per the Highway Capacity Manual (7th Edition), overall average intersection delay and level of service are shown for intersections with a traffic signal, or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. Delay and level of service is calculated using Synchro 12 analysis software.
[3] LOS = Level of Service

For the proposed adjacent improvements, the traffic analysis recommends the existing striping and signage for stop sign control on the west leg of the Armtec main entrance should be upgraded. Mitigation Measure TRA -1 incorporates this recommendation.

Existing Plus Ambient Plus Project Plus Cumulative (EAPC) (2026) Conditions

For EAPC (2026) traffic conditions, the study area intersection of Tyler Street at Grapefruit Boulevard / Highway 111 was found to operate at an unacceptable LOS (i.e., LOS "E" or worse) during peak hours, without installation of the traffic signal that is currently warranted for existing conditions. The traffic analysis recommended improvements to address deficiencies: The Project should contribute its fair share of 10.5 percent towards the provision of a traffic signal control at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111. With the recommended improvements, the intersection of Tyler Street at Grapefruit Boulevard / Highway 111will operate at acceptable LOS. Impacts will be less than significant with Mitigation Measure TRA -2 incorporated.

Table 20
Intersection Analysis for EAPC (2026) Conditions

Study Intersection	Traffic Control[1]	AM Peak Hour		PM Peak Hour	
		Average Delay[2]	LOS[3]	Average Delay[2]	LOS[3]
Grapefruit Bl. (Hwy. 111) / Tyler Street -Without Improvements -With Improvements	 AWS TS	 23.9 10.3	 C B	 **39.9** 9.2	 **E** A
Tyler Street / Avenue 53	CSS	12.5	B	14.7	B
Tyler Street / Armtec Entrance	CSS	10.8	B	11.8	B
Grapefruit Bl. (Hwy. 111) / Palm Street	TS	8.6	A	11.0	B
Palm Street / Airport Bl.	TS	13.0	B	13.2	B

[1] TS = Traffic Signal; CSS = Cross-street Stop., AWS = All-way-stop.
[2] Per the Highway Capacity Manual (7th Edition), overall average intersection delay and level of service are shown for intersections with a traffic signal, or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. Delay and level of service is calculated using Synchro 12 analysis software.
[3] LOS = Level of Service
BOLD = Unacceptable LOS.

Alternative Transportation

Sidewalks exist along the west side of Tyler Street from Grapefruit Boulevard to Armtec Entrance, the southwest side of Grapefruit Boulevard north of Tyler Street, and on Airport Boulevard from west of Palm Street to east of Grapefruit Boulevard. A bike lane is currently existing along the west side of Tyler Street from Grapefruit Boulevard to Avenue 53, the southwest side of Grapefruit Boulevard north of Tyler Street, and both sides on Avenue 53 east of Tyler Street. Project improvements include the installation of a 5-foot sidewalk on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way, and the installation of a 5-foot sidewalk along a separate parcel owned by Armtec (APN: 778-420- 014) that is west of the northern parcel. The Project would not conflict with plans or policies addressing multimodal facilities.

The Project area is currently served by the Sunline Transit Agency with bus services along Avenue 54, Airport Boulevard, and Cesar Chavez Street. However, there are no transit stops within the immediate Project vicinity. The nearest bus stop is approximately 0.35 miles southeast. SunLine periodically reviews and updates its services and facilities based on ridership, budget, and community demand. General Plan Mobility Element Goal 8 and Policies 8.1 through 8.4 promote and encourage transportation system that provides an appropriate level of regional connectivity for residents and businesses through vehicular, freight, transit and non-motorized connections. The Project would have no impact on plans or policies addressing transit facilities.

b) Less than Significant Impact. CEQA Guidelines section 15064.3 sets forth guidelines for implementing Senate Bill 743 (SB 743). SB 743 requires amendments to the CEQA Guidelines (pre-2019) to provide an alternative to LOS for evaluating transportation impacts. Particularly within areas served by transit, those alternative criteria must "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." (Public Resources Code Section 21099(b)(1).) Measurements of transportation impacts may include "vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated."

The CEQA Guidelines have since been updated to allow for lead agency discretion in establishing methodologies and thresholds consistent with the intent of the legislation. The City utilizes the December 2020 County of Riverside Transportation Guidelines for VMT assessments. Per County guidelines, a project would have a less than significant VMT impact if:

- Small projects;
- Projects near high quality transit;
- Local serving retail;
- Affordable housing;
- Local essential service (day care, police or fire facility, medical/dental office, government office);
- Residential and office projects in an area under VMT thresholds as shown on screening maps (Low VMT Area); and
- Redevelopment projects.

County Guidelines define small projects as those forecasted to generate greenhouse gas (GHG) emissions below 3,000 Metric Tons of Carbon Dioxide Equivalent (MTCO2e) per year and provides a list of land use types based on quantity (i.e., dwelling units or square footage) and provides a typical development potential to be below the 3,000 MTCO2e per year. Warehouse buildings sized 208,000 square feet, industrial buildings sized 179,000 square feet and below and office buildings sized 165,000 square feet and below have been identified to meet the County threshold for small projects. The Project warehouse quantity of 37,800 SF is approximately 18 percent of the 208,000 SF warehouse VMT screening criteria. The Project manufacturing quantity of 15,000 SF is approximately 8 percent of the 179,000 SF industrial VMT screening criteria. The Project research and development quantity of 3,000 SF is approximately 2 percent of the 165,000 SF office VMT screening criteria. Therefore, the Traffic Analysis concluded that the Project meets the definition of a "small project," and a full VMT analysis was unwarranted. Because the Project meets the County's screening criteria for small projects, impacts are presumed to be less than significant.

c) Less than Significant Impact. The subject property is located within a largely developed urban area and accessed via existing highways, streets, and intersections. Project development will not require new access driveways but does propose adjacent street improvements and is required to pay a fair share contribution for the traffic signal improvements of Tyler Street at Grapefruit Boulevard (Highway 111) to correct an operational deficiency for EAPC (2026) conditions. However, all proposed and future improvements will be planned, reviewed by, and coordinated with the City such that safety and operational conflicts are effectively reduced. The mix of vehicles associated with the Project is expected to generally include construction vehicles, passenger vehicles, and distribution/delivery trucks, which is compatible with vehicles currently in the area; no conflicts are anticipated. The proposed Project is not expected to substantially increase any type of transportation hazard and impacts are expected to be less than significant.

d) No Impact. Currently, the Project site can be accessed via Tyler Street via two driveways: the Armtec primary entrance and a gated access south of the primary entrance. Regional access to the site will be provided via Grapefruit Boulevard (Highway 111), I-10 freeway, major arterials, secondary arterials and a variety of local roads.

Prior to construction, both the Fire Department and Police Department will review the site plan to ensure safety measures are addressed, including emergency access. Therefore, the proposed Project will not result in inadequate emergency access. There will be no impact.

Mitigation Measures:

TRA-1 For the proposed project-adjacent improvements, the existing striping and signage for stop sign control on the west leg of the Armtec main entrance shall be upgraded as recommended in Appendix H (Project Traffic Report).

TRA-2 To remedy the LOS deficiency at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111, the Project is responsible for a fair-share contribution of 10.5% towards the provision of a traffic signal.

Monitoring:

TRA.A The Project applicant shall coordinate with the City and CVAG the payment of the agreed upon fair share contribution for improvements to the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 prior to the issuance of the first certificate of occupancy for the Project.
Responsible Parties: Project applicant, Engineering Department.

Source: Armtec Master Plan Traffic Analysis, prepared by Urban Crossroads. July 3, 2024, Coachella 2035 General Plan, Mobility Element.

XVIII. TRIBAL CULTURAL RESOURCES a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or		X		
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		X		

Setting

Cahuilla Indians inhabited the valley for centuries. They were a Takic-speaking people of hunters and gatherers generally divided into three groups based on their geographic setting: the Pass Cahuilla of the San Gorgonio Pass – Palm Springs area; the Mountain Cahuilla of the San Jacinto and Santa Rosa Mountains and the Cahuilla Valley; and the Desert Cahuilla of the eastern Coachella Valley. Today, Native Americans of Pass or Desert Cahuilla heritage are mostly affiliated with the Indian reservations around the Coachella Valley, including the Cabazon, Augustine, Torres Martinez, Twenty-nine Palms, Agua Caliente, and Morongo.

Discussion of Impacts

ai,ii) Less than Significant with Mitigation. Senate Bill 18 and Assembly Bill 52 (AB 52) requires a lead agency to consult with tribes in the Project area during the CEQA process to allow tribes to be involved in the project development process and to address their concerns about potential impacts to tribal cultural resources. The consultation process requires the lead agency to provide written notification about a proposed project, as defined by CEQA, to tribes within the project's geographic area. If a tribe chooses to engage in consultation, it must respond to the lead agency within 30 days of receipt of the formal notification, and the lead agency must begin the consultation process within 30 days of receiving the request for consultation. Consultation concludes when the parties agree to measures to mitigate or avoid a significant effect (if a significant effect exists) on the tribal cultural resources, or when a party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached (Public Resources Code section 21080.3.2 (b)(1) and (2)).

The City conducted Tribal Consultation in conformance with AB 52 requirements. Five (5) Tribes were contacted in writing (Torres Martinez, Soboba, Cabazon, Twenty-Nine Palms, and ACBCI) in a letter dated February 6, 2025. As of April 17, 2025, only one Tribe, ACBCI, responded. The following requests are from the ACBCI's AB 52 response letter dated February 19, 2025 (TCR-1):

- Formal government to government consultation under California Assembly Bill No. 52 (AB-52).
- A cultural resources inventory of the project area by a qualified archaeologist prior to any development activities in this area.
- Copies of any cultural resource documentation (report and site records) generated in connection with this project.
- A copy of the records search with associated survey reports and site records from the information center.
- The presence of an approved Agua Caliente Native American Cultural Resource Monitor(s) during any ground disturbing activities (including archaeological testing and surveys). Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt and the Monitor shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the Agua Caliente Tribal Historic Preservation Office.

The City met with the ACBCI THPO on March 5, 2025 for government-to-government consultation to discuss the Project and Phase 1 Archeological and Paleontological Resources Assessment. Several revisions to the Assessment's

mitigation measures were requested during consultation, primarily involving clarifying language regarding Native American Monitoring agreements and the inclusion of a Tribal resource reburial process. Revisions were made to the Assessment and is reflected in the mitigation measures provided in Section V. Cultural. The City received a letter dated April 16, 2025 from the ACBCI THPO confirming that the concerns of the Tribe have been addressed in the revised Assessment. The letter also confirmed the conclusion of the Tribe's AB 52 consultation efforts.

Should responses from the remaining Tribes be received, the City may include additional requests for consultation or mitigation as conditions of approval. In addition, to protect potential tribal cultural resources, Mitigation Measure CUL-1 through -8 are included in Section V, consistent with the findings of the Phase 1 Archeological and Paleontological Resources Assessment, to require monitoring of ground disturbing activities, which would reduce the impacts to Tribal Resources to less than significant levels.

Mitigation Measures: See Section V. Cultural

TCR-1 The following requests are from the ACBCI's AB 52 response letter dated February 19, 2025:

- Formal government to government consultation under California Assembly Bill No. 52 (AB-52).
- A cultural resources inventory of the project area by a qualified archaeologist prior to any development activities in this area.
- Copies of any cultural resource documentation (report and site records) generated in connection with this project.
- A copy of the records search with associated survey reports and site records from the information center.
- The presence of an approved Agua Caliente Native American Cultural Resource Monitor(s) during any ground disturbing activities (including archaeological testing and surveys). Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt and the Monitor shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the Agua Caliente Tribal Historic Preservation Office.

Monitoring: See Section V. Cultural

TCR-A The executed monitoring agreements shall be provided to the City prior to the issuance of grading permits. Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt

and the Monitor shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the Agua Caliente Tribal Historic Preservation Office.
Responsible parties: Project applicant, Project archaeologist, Tribal monitor, Planning Division.

Source: Phase 1 Archaeological and Paleontological Resources Assessment for the Armtec Defense Products Co. Master Plan Project, prepared by ArchaeoPaleo Resource Management, Inc. August 2024.

XIX. UTILITIES AND SERVICE SYSTEMS Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			X	
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

Setting

Domestic Water

The Coachella Water Authority (CWA) provides domestic water to the project area. CWA participated in the 2020 Coachella Valley Regional Urban Water Management Plan (RUWMP) to ensure a sufficient and reliable water supply for development projects within the. CWA's primary source of fresh water is groundwater extracted from deep wells in the Indio Subbasin of the Coachella Valley Groundwater Basin. The City lies

within the Whitewater River Watershed, which also supplies water to neighboring Coachella Valley cities. The Coachella Valley Groundwater Basin includes natural supplies; additional water sources include recycled water and imported supplies that are recharged to the Basin.

The City of Coachella currently uses approximately three to five percent of the total volume of water withdrawn from the Coachella Valley Groundwater Basin each year. The City supplies 100 percent of its potable water from City owned and operated wells. There are currently six operational wells within the City's distribution system. The total pumping capacity of active wells is approximately 11,400 gallons per minute (gpm) or 16.5 million gallons per day (MGD). CWA has three water storage reservoirs within the City, with a total reservoir storage capacity of approximately 10.5 million gallons (MG). In addition, CWA operates two booster pumping stations. CWA's distribution system network consists of approximately 120 miles of pipeline, which range from 4-inches to 36-inches in diameter (2015 Urban Water Management Plan).

The City currently does not have infrastructure in place to recycle water. However, it is in the process of updating its sewer master plan, which will include a feasibility study for implementing a recycled water program. If the treatment system upgrade feasibility study produces a favorable result, recycled water could be for various purposes, including non-potable irrigation systems for larger developments. Currently, the City is participating in a Coachella Valley wide recycled water feasibility study spearheaded by the CVRWMG as part of the Coachella Valley IRWM Plan.

Colorado River water is transported to the Coachella Valley via the Coachella Canal and used by the agricultural community for farming purposes; however, it is not a part of the CWA system. Per CVWD Ordinance No. 1428, CWA has the opportunity to receive canal water for additional potable water supply when available. The City continues to look at the use of Canal water for both domestic water and irrigation.

Wastewater

The City's wastewater conveyance and treatment services are operated by the Coachella Sanitary District (CSD) which was established in 1936 and maintains approximately 90 miles of wastewater conveyance pipeline, two pump stations, and a wastewater treatment plant. The diameter of the wastewater conveyance pipelines range from 4 to 54 inches. The two pump stations are: Coachella Valley High School Pump Station (CVHS PS) and Polk Street Pump Station (City of Coachella 2015 Sewer System Master Plan; Figure 2-1). The City's wastewater treatment plant is located at Avenue 54 and Polk Street and its capacity is 4.5 million gallon per day (MGD). The City also receives wastewater conveyance and treatment services through the Valley Sanitary District (VSD) for flows generated within the incorporated boundary; however, CSD is the primary service provider.

The CSD currently serves 6,500 Equivalent Dwelling Units (EDUs) and approximately 3,500 customers via its wastewater conveyance network. These customers consist primarily of residential development with a light mix of commercial, industrial, and some agricultural customers.

Stormwater Drainage

The Project site and areas surrounding it are subject to City requirements relating to flood control. The City implements standard requirements for the retention of storm flows, and participates in the National Pollution Discharge Elimination System (NPDES) to protect surface waters from pollution. Development projects must retain the 100-year storm flow onsite.

Solid Waste Disposal

Burrtec provides solid waste disposal services to the City. Trash and recycled materials are collected from customers in the City and transported to the Coachella Valley Transfer Station located on Landfill Road east of Dillon Road and north of Interstate 10. The Coachella Valley Transfer Station currently receives an average of 328 tons of waste per day and has a capacity of 1,100 tons of waste per day. Once sorted, solid waste is transported to regional landfills, including Lamb Canyon and Badlands, which are operated by the County of Riverside.

Other Utilities

In Coachella, Imperial Irrigation District (IID) provides electricity, Southern California Gas (SoCalGas) provides natural gas, and Frontier and Spectrum provide telecommunications services.

Off-Site Improvements

The Tyler Street widening improvements include road expansion, new asphalt, curb, gutter, and a separated sidewalk between Avenue 53 and Tyler Lane. Tyler Street will be widened by 19 feet to the east from Avenue 53 to the southern Armtec property line, covering approximately 1,830 linear feet. There is existing CVWD infrastructure and easements within Tyler Street right-of-way. Easements include a North/South 10-foot USBR easement on the east side of Tyler Street and another East/West 10-foot easement within the old Avenue 53 right-of-way. CVWD has requested replacing 20 linear feet of irrigation line with modern PVC pipe and to relocate a CVWD meter stand to allow for a 5.5 foot wide sidewalk. Pending direction of CVWD, there is potential for the district to request replacement of 1,280 linear feet of existing irrigation line within the CVWD easement on the eastern side of the Tyler Street.

Discussion of Impacts

a-c) Less than Significant Impact.

Water

The Coachella Water Authority (CWA) will provide domestic water services to the project site. The proposed project will connect to existing domestic water lines on

site that connect to Tyler Street. No new wells or additional water infrastructure or entitlements will be required.

As explained in Section IX, Hydrology and Water Resources, water demand for the cultivation portion of the proposed development is estimated to be approximately 7.57 AF/year. Additional water will be required for landscape irrigation, but given the limited area to be landscaped and the required use of drought-tolerant plant species and water-efficient irrigation, landscaping is not expected to contribute substantially to project water demand.

CWA is responsible, under the California Water Code, for analyzing its current and future water supply, and assuring that sufficient supply is available to serve land uses within its service area, through the preparation of an Urban Water Management Plan (UWMP). CWA participated in the 2020 Coachella Valley Regional UWMP, which used the City's General Plan land uses as a basis for planning. CWA has demonstrated sufficient water supplies to serve the City through 2045 during normal, single dry, and multiple dry years.

Coachella's primary water source is local groundwater from the Lower Whitewater River Subbasin that is pumped by CWA's six operational wells. Currently, the total pumping capacity of the wells is an estimated 11,400 gallons per minute (gpm) or 16.5 million gallons per day (MGD). The basin has a capacity of approximately 28.8 million AF and currently contains 25 million AF. The proposed project's water demand will have a less than significant impact on groundwater resources. Sufficient water supplies are available to serve the proposed project from existing entitlements. No new or expanded entitlements or infrastructure is required. The applicant will be required to consult with the City's Utilities Manager and Environmental Programs Coordinator regarding water connections, and utility connection impact fees. Impacts will be less than significant.

Wastewater

The proposed project will result in increased wastewater flows, which will be transported to the Coachella Sanitary District Treatment Plant. All development will be required to connect to the existing sanitary sewer systems on-site. The Coachella Sanitary District (CSD), which operates wastewater treatment facilities in the City of Coachella, will serve the proposed project and is subject to wastewater treatment standards established by the Regional Water Quality Control Board. All components of the proposed project will be required to design facilities consistent with CSD and Regional Board standards. This will assure that impacts associated with wastewater treatment will be less than significant.

CSD conducts long-range planning for sewer services based on the General Plan land uses in its Sewer System Master Plan (SSMP, 2015). CSD has indicated sufficient capacities at the wastewater treatment plant and force mains,

although certain pipes and pump stations are identified for necessary upgrades to accommodate growth under the General Plan. The City and CSD are responsible for programming projects recommended in the SSMP, which are expected to be funded under a combination of development impact fees and rate increases. In addition, the applicant will be required to consult with the City's Utilities Manager and Environmental Programs Coordinator regarding sewer connections, and utility connection impact fees.

The Project will not require the construction of new wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects. The city sewer system has sufficient capacity to transport and dispose of the proposed project's wastewater. The current capacity for the treatment plant is 4.5 million gallons per day. The added wastewater flows associated with the proposed Project would result in a less than significant impact.

Stormwater

Storm water infrastructure within the City consists of a network of regional and local drainage channels. Ultimately, all major storm flows in the City are conveyed to the Coachella Valley Stormwater Channel, which discharges into the Salton Sea. The proposed Project will not discharge into either regional or local drainages. Rather, it will manage stormwater on-site at the existing retention basins located at the southwest corner of the Armtec property.

As required by the federal Clean Water Act (CWA) (33 U.S.C. § 1251 et seq.) and the California Water Code (CWC) (commencing with section 13000), a Preliminary Water Quality Management Plan will be prepared for the Project. As discussed above in Section X, Hydrology and Water Resources, the Project site will incorporate BMPs for construction and post-construction conditions, designed to control pollutants that enter the on-site and off-site system, and is not expected to affect water quality. A final hydrologic analysis will be required to demonstrate that the Project meets the City's standards. These standard requirements will assure that impacts associated with storm water retention remain less than significant.

Other Utilities

The proposed Project will connect to the existing electric power, natural gas, and telecommunications infrastructure located on-site. The Project would not result in the construction of new electric power, natural gas, or telecommunications facilities off-site that could cause significant environmental effects.

Regarding off-site improvements, pending direction of CVWD, there is potential for the district to request replacement of 1,280 linear feet of existing irrigation line within the CVWD easement on the eastern side of the Tyler Street.

d-e) Less than Significant Impact. Construction and operations-related solid waste from the Project will be collected and disposed by Burrtec, a regional commercial vendor that serves the City by hauling solid waste to transfer and recycling centers and landfills. Burrtec also collects and recycles construction waste. The Lamb Canyon regional landfill has a remaining capacity of 19,242,950 cubic yards as of 2015 (latest data available).[12]

The project will generate 144.61 tons of solid waste per year, or 72.31 tons per year after 50 percent diversion as shown below.

Table 21
Estimated Solid Waste Disposal at the Project Buildout

Land Use	CIWMB Disposal Rates	Proposed	Solid Waste Disposal (pounds per day)	Solid Waste Disposal (tons per year)
Manufacturing / Warehouse	1.42 lbs./ 100 SF/day	55,800 SF	792.36	144.61
			TOTAL (with 50% diversion)	72.31

*Estimated Solid Waste Generation Rates by CalRecycle, https://www2.calrecycle.ca.gov/WasteCharacterization/General/Rates, Accessed August 2024

At buildout, the proposed Project will contribute less than 1 percent of the County's remaining capacity. Commingled recyclable materials (e.g., paper, plastic, glass, cardboard, aluminum) will be transported to Burrtec's material recovery facilities for recycling and reuse.

Burrtec is responsible for maintaining standards that assure that all waste is handled in a manner that meets local, state and federal standards. These requirements will assure that impacts associated with solid waste disposal remain less than significant.

Mitigation Measures: None.

Monitoring: None.

Source: 2020 Coachella Valley Regional Urban Water Management Plan; City of Coachella 2015 Sewer System Master Plan, June 2015.

[12] CalRecycle SWIS Facility/Site Activity Details. https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2246?siteID=2368, accessed August 2024.

XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				X
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				X
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				X
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				X

Setting

The California Department of Forestry and Fire Protection (CalFire) ranks fire hazards of wildland areas in the state using four main criteria: fuels, weather, assets at risk, and level of service. There are no state responsibility areas (SRA) or Very High Fire Hazard Severity Zones (VHFHSZ) in or near the City.

Discussion of Impacts

a-d) No Impact. The proposed Project will have no impact on wildfire. The City of Coachella consists of primarily local responsibility area (LRA) and some federal responsibility area (FRA). There are no SRA, VHFHSZ, or any other designated fire hazard zones in the City. There is no substantial vegetation within the City to generate a high wildfire risk, and the Project site is not near wildlands or forested lands.

The Project site is accessed by Tyler Street, Avenue 53, and Grapefruit Boulevard/Highway 111. The Project would not impair the City's adopted emergency response plan or evacuation plan as it does not propose to amend these or other evacuation routes or plans. Project construction plans will be reviewed by and coordinated with the City and Fire Department to assure that adequate emergency access is maintained during the construction process. The Project would not require the installation or maintenance of wildfire infrastructure that could exacerbate fire risks or result in adverse environmental impacts. The Project site is relatively flat on the central valley floor and would not expose people or structures to downslope flooding or landslides resulting from post-fire instability or drainage changes. No impact would occur.

Mitigation Measures: None

Monitoring: None

Source: Website: CalFire Fire Hazard Severity Zones. https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones. Accessed August 2024.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		X		
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?			X	
c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

a) Less than Significant Impact with Mitigation.

Biological Resources: The Project site is not located within a CVMSHCP-designated conservation area and does not contain any wildlife corridors or biological linkage areas. The site has been previously graded and does not contain vegetation that could provide suitable habitat for nesting birds. Potential impacts to burrowing owl require pre-construction surveys on the northern parcel during Phase 2 development, as required by Mitigation Measure BIO.1. The site is subject to payment of the Development Mitigation Fee to mitigate potential

impacts to covered species under the CVMSHCP. The proposed Project will not significantly reduce fish or wildlife habitat or otherwise adversely impact a fish or wildlife species.

Cultural Resources: No cultural resources are known to exist within or adjacent to the project site. There is potential for unknown resources to be uncovered. Mitigation measures provided in this document will ensure that impacts to cultural and/or tribal resources are less than significant in the unlikely event that resources are discovered during project development.

Overall, there will be no significant environmental impacts which cannot be mitigated. Project related impacts, including cumulative impacts, are considered less than significant.

b) **Less than Significant Impact.** A significant impact could occur if the proposed Project, in conjunction with related projects, would result in impacts that would be less than significant when viewed separately, but would be significant when viewed together. Here, however, the impacts of the proposed Project are individually limited and not cumulatively considerable. The proposed Project is consistent with the development envisioned for the site in the City's General Plan. All environmental impacts that could occur as a result of the proposed Project would be less than significant with the implementation of mitigation measures included herein, and when viewed in conjunction with other closely related past, present or reasonably foreseeable future projects, would not be significant.

c) **Less than Significant Impact.** The proposed Project will not have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly, with the implementation of the City's Municipal Code, other standard requirements and requirements of law, and the mitigation measures included in this document.

REFERENCES:

I. AESTHETICS

Source: City of Coachella Municipal Code; City of Coachella General Plan; GoogleEarth.

II. AGRICULTURE RESOURCES

Source: California Important Farmland Finder, California Department of Conservation. https://maps.conservation.ca.gov/DLRP/CIFF/. Accessed August 2024; Phase I Environmental Stie Assessment, Armtec Defense Technologies, prepared by Northgate Environmental Management, Inc. August 2024.

III. AIR QUALITY

Source: SCAQMD CEQA Air Quality Handbook (1993); SCAQMD Rule 402; 2022 Air Quality Management Plan, SCAQMD; Coachella Valley PM10 State Implementation Plan (2003 CV PM10 SIP); Coachella Valley 2008 8-hour Ozone SIP; SCAQMD Localized Significance Thresholds Appendix C – Mass Rate LST Look-up Table; CalEEMod Version 2022.1.

IV. BIOLOGICAL RESOURCES

Source: Coachella General Plan Draft Environmental Impact Report, 2014; Coachella General Plan; City of Coachella General Plan; CVMSHCP; Phase 1 Archaeological and Paleontological Resources Assessment for the Armtec Defense Products Co. Master Plan Project, prepared by ArchaeoPaleo Resource Management, Inc. August 2024; Project materials.

V. CULTURAL RESOURCES

Source: Coachella General Plan; City of Coachella General Plan Update Final Environmental Impact Report (CGPU EIR, SCH No. 2009021007), October 2014; Phase 1 Archaeological and Paleontological Resources Assessment for the Armtec Defense Products Co. Master Plan Project, prepared by ArchaeoPaleo Resource Management, Inc. August 2024.

VI. ENERGY

Source: Southern California Edison, www.calcities.org/detail-pages/partner/edison, accessed August 2024; *Integrated Resource Plan | Imperial Irrigation District*. (2024). Iid.com. https://www.iid.com/power/renewable-energy/integrated-resource-plan; *EMFAC*. (2025). Ca.gov. https://arb.ca.gov/emfac/scenario-analysis/generate-template.

VII. GEOLOGY AND SOILS

Source: Technical Background Report to the Safety Element of the General Plan for the City of Coachella, prepared by Earth Consultants International, Inc. September 2014: Website: Web Soil Survey. U.S. Department of Agriculture. Accessed August 2024. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx;

VIII. GREENHOUSE GAS EMISSIONS

Source: City of Coachella Climate Action Plan, prepared by Raimi and Associates. Adopted April 22, 2015; CalEEMod Version 2022.1.

IX. HAZARDS AND HAZARDOUS MATERIALS

Source: Phase I Environmental Site Assessment, Armtec Defense Technologies, prepared by Northgate Environmental Management, Inc. August 5, 2024; Envirostor, California Department of Toxic Substance Controls; State Water Resources Control Board (SWRCB) GeoTracker website; Noise Impact Analysis, Armtec Master Plan, prepared by Urban Crossroads, July 26, 2024.

X. HYDROLOGY AND WATER QUALITY

Source: Preliminary Hydrology Report, Armtec Defense Technologies, prepared by The Altum Group, February 3, 2025.

XI. LAND USE AND PLANNING

Source: Riverside County Airport Land Use Compatibility Plan Policy Document – East County Airports Background data. Amended September 2006). Coachella 2035 General Plan, Land Use and Community Character Element.

XII. MINERAL RESOURCES

Source: City of Coachella General Plan Update, Environmental Impact Report, SCH #: 2009021007. July 2014.

XIII. NOISE

Source: Armtec Master Plan Noise Impact Analysis, prepare by Urban Crossroads, July 2024.

XIV. POPULATION AND HOUSING

Source: California Department of Finance 2024 data on City/County Population and Housing Estimates.

XV. PUBLIC SERVICES

Source: City of Coachella General Plan Update EIR, October 2014; City of Coachella Website.

XVI. RECREATION

Source: Website: City of Coachella Parks and Recreation. https://www.coachella.org/residents/parks-and-recreation. Accessed August 2024.

XVII. TRANSPORTATION/TRAFFIC

Source: Armtec Master Plan Traffic Analysis, prepared by Urban Crossroads. July 3, 2024, Coachella 2035 General Plan, Mobility Element.

XVIII. TRIBAL CULTURAL RESOURCES

Source: Phase 1 Archaeological and Paleontological Resources Assessment for the Armtec Defense Products Co. Master Plan Project, prepared by ArchaeoPaleo Resource Management, Inc. August 2024.

XIX. UTILITIES AND SERVICE SYSTEMS

Source: 2020 Coachella Valley Regional Urban Water Management Plan; City of Coachella 2015 Sewer System Master Plan, June 2015.

XX WILDFIRE

Source: Website: CalFire Fire Hazard Severity Zones. https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones. Accessed August 2024.

Appendix A
Mitigation Monitoring and Reporting Program

MITIGATION MONITORING & REPORTING PROGRAM
City of Coachella / Armtec Expansion Master Plan
Environmental Assessment 25-01/ SCH No. 2025041097

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
Biological Resources	Less than Significant	**BIO-1** A qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys following the CDFW (2012 or current) Staff Report on Burrowing Owl Mitigation, combined with nesting bird surveys in compliance with the Migratory Bird Treaty Act (MBTA). The first shall occur between 14 and 30 days prior to ground disturbance, and the second shall occur within 24 hours of ground disturbance. If the pre-construction surveys confirm burrowing owl presence, the Project applicant shall submit a Burrowing Owl Plan that includes avoidance, minimization, and mitigation measures to the USFWS and CDFW—collectively the Wildlife Agencies—for review and approval prior to beginning Project activities. The Project proponent shall coordinate with the Wildlife Agencies on the appropriate avoidance, minimization, and mitigation measures to be included in the Burrowing Owl Plan. If avoidance of burrowing owl is not possible, coordination with the Wildlife Agencies for a burrowing owl relocation plan is required pursuant Section 4.4 and Section 8.5.2 of the CVMSHCP. If active nests are found during the pre-construction nesting bird surveys, a qualified biologist shall establish an appropriate nest buffer to be marked on the ground. Nest buffers are species specific and shall be at least 300 feet for passerines and 500 feet for raptors. A smaller or larger buffer may be determined by the qualified biologist familiar with the nesting phenology of the nesting species and based on	Project applicant, project biologist, Planning Division.	Prior to the issuance of any permit to allow ground disturbance on the northern parcel of the site, the Project Proponent shall submit the pre-construction surveys for burrowing owl and nesting birds to the City. Pre-construction surveys: No less than 14 days prior to start of Project- related activities and within 24 hours prior to ground disturbance and when there is a pause in construction of more than 30 days. If a Burrowing Owl Plan or a Burrowing Owl Relocation Plan is required, the Plan(s) shall be submitted to the City, USFWS and CDFW for approval prior to the issuance of grading permits.

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
		nest and buffer monitoring results. Construction activities may not occur inside the established buffer(s), which shall remain on-site until a qualified biologist determines the young have fledged or the nest is no longer active. Active nests and adequacy of the established buffer distance shall be monitored daily by the qualified biologist until the qualified biologist has determined the young have fledged. The qualified biologist has the authority to stop work if nesting pairs exhibit signs of disturbance.		
Cultural Resources	Less than Significant	**CUL-1** Prior to the start of Project excavation, a qualified archaeologist shall be retained, and create a Worker's Environmental Awareness Program (WEAP) pamphlet that will be prepared by the Project Archaeologist and provided by the Archaeologist as a training class to Project personnel, so they understand the regulatory requirements for the protection of cultural resources. This training class shall include examples of cultural resources to look for during project excavation and the protocols to follow if discoveries are made.	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	Prior to the start of Project excavation and/or earth-disturbing activities. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
Cultural Resources Cont.	Less than Significant	**CUL-2** Archaeological resources monitoring shall be conducted by a professional archaeological resources monitor during Project related earth-disturbing activities, per OHP standards, under the supervision of a qualified Project Archaeologist. Monitoring will entail visual inspection of Project related earth-disturbing activities in native soil. If the	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	During Project related earth-disturbing activities. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
		Archaeologist deems that the excavation is no longer in soil that would produce artifacts, features, or sites, the monitoring can cease.		Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
	Less than Significant	**CUL-3** As per the results of the AB 52 Government to Government Consultation, prior to the issuance of grading permits, the developer /permit applicant shall enter into an agreement with the Agua Caliente Band of Cahuilla Indians, for a Native American Monitor. The Native American Monitor(s) shall be on site during all initial ground-disturbing activities and excavation of each portion of the project site, including clearing, grubbing, tree removals, grading, and trenching. In conjunction with the Archaeo-logical Monitors(s), the Native American Monitor(s) shall have the authority to temporarily divert, redirect, or halt the ground disturbance activities to allow identification, evaluation, and potential recovery of cultural resources. The developer/permit applicant shall submit a fully executed copy of the agreement to the City to ensure compliance with this condition of approval.	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	Prior to the issuance of grading permits. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
Cultural Resources Cont.	Less than Significant	**CUL-4** If an archaeological resource is encountered during excavation when the monitor(s) are not on site, all excavation shall cease within at least 50 feet of the discovery and the Principal Investigator, Lead Archaeologist and the Tribe must be notified. Work cannot resume in the direct area of the discovery until it is assessed by the Principal Investigator, and/or Lead Archaeologist, and	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	During excavation, in the event an archaeological resource is encountered. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
		the Tribe, and indicates that excavation can resume.		Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
	Less than Significant	**CUL-5** If an archaeological discovery cannot be preserved in situ and requires an excavation team or requires additional time to collect cultural resources, a Discovery and Treatment Plan (DTP) will be developed by the Lead Archaeologist in collaboration with the Consulting Tribe(s), and the area will be cordoned off and secured so that an archaeological resources excavation team, led by the Principal Investigator and Lead Archaeologist, may recover the cultural resources out of that location. Once the Principal Investigator has determined that the collection process is complete for a given area or locality, construction activity can resume in that localized area.	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	During excavation, in the event an archaeological/ cultural resource is encountered. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
Cultural Resources Cont.	Less than Significant	**CUL-6** If human remains are encountered, all work on the project will be suspended and the City of Coachella will be contacted immediately. The City of Coachella will contact the Riverside County coroner. If the remains are deemed Native American in origin, the coroner will contact the NAHC if a Native American monitor has not been assigned to the Project, in which the NAHC will identify a most likely descendant in compliance with Public	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	In the event human remains are encountered. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
		Resources Code Section 5097.98 and California Code of Regulations Section 15064.5. After their notification by the Native American Heritage Commission, the Most Likely Descendant will have 48 hours to visit the site and make recommendations as to the treatment and final deposition of the remains. Work may be resumed at the landowner's discretion but will only commence after consultation and treatment have been concluded to the satisfaction of the lead agency and the Native American tribe.		inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
Cultural Resources Cont.	Less than Significant	**CUL-7** All non-Native American related cultural resources collected by the archaeologist, such as early settler historic items or sites, will be prepared in a properly equipped laboratory to a point ready for curation. Artifacts will be identified, photographed, analyzed, catalogued, and delivered to an accredited museum repository for permanent curation and storage or to the appropriate Accompanying notes, maps, and photographs shall also be filed at the final repository. The cost of curation is assessed by the repository and is the responsibility of the Project proponent. If Tribal Resources are found, treatment will be as follows: Reburial of the resources on the Project property in a location agreed upon by the Developer and Consulting Tribe(s). The measures for reburial shall include, at least the following: Measures to protect the reburial area from any future impacts. Reburial shall not occur until all required cataloging, analysis and studies have been completed on the cultural resources, with the exception of sacred items, burial goods, and Native American human remains. Any reburial processes shall be culturally appropriate.	Project applicant, Project archaeologist, Tribal monitor, Planning Division, Engineering Department.	In the event tribal or cultural resources are discovered. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
	Less than Significant	**CUL-8** At the conclusion of laboratory work but prior to museum curation of non- Native American artifacts, a final (negative or positive)	Project applicant, Project	At the conclusion of laboratory work but prior to museum curation of non- Native American artifacts.

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
		findings report will be prepared describing the results of the cultural mitigation monitoring efforts associated with the Project. The report will include a summary of the field and laboratory methods, an overview of the cultural background within the project vicinity, a list of cultural resources recovered (if any), an analysis of cultural resources recovered (if any) and their scientific significance, and recommendations. A copy of the report will be prepared for the City of Coachella, the EIC, and be submitted to the designated museum repository (if applicable).	archaeologist, Tribal monitor, Planning Division, Engineering Department.	Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians. The report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered artifacts, upon completion of the field and laboratory work. The report should include an interpretation of the cultural activities represented by the artifacts and a discussion of the significance of all archaeological finds.
Geology and Soils	Less than Significant	**GEO-1** A site-specific Geotechnical Report shall be prepared and submitted with grading plans, and shall analyze site- and building-specific conditions to provide recommendations on soil compaction, seismic design and liquefaction The report recommendations shall be incorporated in Project construction plans.	Project engineer, Project geotechnical consultant, Project applicant, Planning Division, Engineering Department	Prior to the issuance of grading permits. The applicant shall provide the final grading and building plans to the Project geotechnical consultant for review and ensure the recommen-dations are incorporated into the design criteria and Project specifi-cations as deemed appropriate by the consultant.
Geology and Soils Cont.	Less than Significant	**GEO-2** Prior to the commencement of grading or excavation activities, the Lead Paleontologist shall be retained and create a Worker's Environmental Awareness Program (WEAP) pamphlet that will be prepared and provided by the Project Paleontologist during the training class to Project personnel, so they understand the regulatory requirements for the protection of paleontological resources. This training class shall include examples of paleontological resources to look for during Project excavation and the protocols to follow if discoveries are made.	Project applicant, Lead Paleontologist, Planning Division.	Prior to the commencement of grading or excavation activities.

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
Geology and Soils Cont.	Less than Significant	**GEO-3** In the event that a paleontological resource is encountered when a monitor is not on site, all construction shall cease within at least 50 feet of the discovery and the Principal Investigator and/or Lead Paleontologist must be immediately notified. If the paleontological monitor is present at the time of discovery, then the monitor will have the authority to temporarily divert the construction equipment around the find until the Principal Investigator and/or Lead Paleontologist has assessed the resource for scientific significance. Work cannot resume in the direct area of the discovery until it is assessed by the Principal Investigator and/or Lead Paleontologist, and he/she indicates that construction can resume. Any soil that will be disturbed in Early Holocene or Late Pleistocene soils requires a construction monitor.	Project developer/ contractor, Lead Paleontologist/ paleontological monitor, Planning Division.	In the event a paleontological resource is encountered during construction activities. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City. The paleo report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered resources, upon completion of the field and laboratory work.
	Less than Significant	**GEO-4** In the event that significant paleontological resources are encountered, the Lead Paleontologist will implement the Paleontological Management Treatment Plan (PMTP) prepared for the Armtec Defense Products Co Master Plan Project. The purpose of the PMTP is to achieve compliance with the California Environmental Quality Act (CEQA), and local governmental agencies concerning the treatment of unexpected paleontological finds which are significant at the federal, state, and/or local level.	Lead Paleontologist/ paleontological monitor, Project applicant, Planning Division	In the event a paleontological resource is encountered during construction activities. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City. The paleo report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered resources, upon completion of the field and laboratory work.
	Less than Significant	**GEO-5** If a paleontological discovery requires an excavation team or requires additional time to collect specimens, or the size of the discovery is more than a monitor can collect during standard daily monitoring services, a more intensive Discovery and Treatment Plan (DTP) may need to be developed and the area will be cordoned off and secured so that a	Lead Paleontologist/ paleontological monitor, Project applicant, Planning Division.	In the event a paleontological resource is encountered during construction activities. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City. The paleo

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
		paleontological resources excavation team, led by the Principal Investigator and/or Lead Paleontologist, may recover the fossil specimens out of that area once the DTP has been approved. Once the Principal Investigator and/or Lead Paleontologist has determined that the collection process is complete for a given area or locality, construction activity may resume in that localized area.		report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered resources, upon completion of the field and laboratory work.
	Less than Significant	**GEO-6** Once construction activities are complete, all fossil specimens collected will be prepared in a properly equipped paleontology laboratory to a point ready for curation. Laboratory preparation will include, but not be limited to, the careful removal of excess matrix from fossil remains, stabilizing and repairing specimens, identified to the lowest taxonomic level, analyzed, photographed, and catalogued before they are sent to the local repository for curation and permanent storage. Accompanying notes, maps, and photographs shall also be filed at the repository. The cost of curation is assessed by the repository and is the responsibility of the Project proponent.	Lead Paleontologist/ paleontological monitor, Project applicant, Planning Division.	Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City. The paleo report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered resources, upon completion of the field and laboratory work.
Geology and Soils Cont.	Less than Significant	**GEO-7** At the conclusion of laboratory work and preparation for museum curation, a final (negative or positive) findings report will be prepared describing the results of the paleontological mitigation monitoring efforts associated with the project. The report will include a summary of the field and laboratory methods, an overview of the geology and paleontology in the project vicinity, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. If the monitoring efforts produced fossils, then a copy of the report will also be submitted to a designated museum repository.	Lead Paleontologist/ paleontological monitor, Project applicant, Planning Division	At the conclusion of laboratory work and preparation for museum curation. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City. The paleo report will summarize the methods and results of the evaluation, including an itemized inventory and a detailed analysis of recovered resources, upon completion of the field and laboratory work.

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
Hazards and Hazardous Materials	Less than Significant	**HAZ-1** Prior to the issuance of grading and building permits for the Phase 2 structures located on the southern parcel, a limited Phase II Environmental Site Assessment shall be performed in areas of the Project site where development is planned to evaluate potential impacts to shallow soil, and potential vapor encroachment concerns beneath proposed building footprints. All recommendations and mitigation measures in the forthcoming Phase II ESA shall be implemented by the Project. If results of the Phase II ESA indicate there are impacts to soil, a soil management plan would be developed to manage any impacted soil appropriately during redevelopment. Similarly, if the Phase II ESA results indicate there are any vapor encroachment concerns that require mitigation, this would also be recommendation of the Phase II ESA.	Project Phase II ESA consultant, Project applicant, Planning Division, Engineering Department.	Prior to the issuance of grading and building permits for the Phase 2 structures located on the southern parcel The applicant shall provide the final limited Phase II ESA, and if required, the soil management plan and/or vapor encroachment mitigation plan, to the City for review prior to the issuance of grading permits to ensure the recommendations and mitigation measures set forth in the Phase II ESA are incorporated into the construction plans and Project design as deemed appropriate by the consultant.
Transportation	Less than Significant	**TRA-1** For the proposed project-adjacent improvements, the existing striping and signage for stop sign control on the west leg of the Armtec main entrance shall be upgraded as recommended in Appendix H (Project Traffic Report).	Project applicant, Engineering Department.	Prior to the issuance of the first certificate of occupancy for the Project.
	Less than Significant	**TRA-2** To remedy the LOS deficiency at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111, the Project is responsible for a fair-share contribution of 10.5 % towards the provision of a traffic signal.	Project applicant, Engineering Department.	Prior to the issuance of the first certificate of occupancy for the Project. The Project applicant shall coordinate with the City and CVAG the payment of the agreed upon fair share contribution for improvements to the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 prior to the issuance

Resource Topic	Level of Impact After Mitigation	Mitigation Measures	Responsible Party/ Monitoring Party	Implementation Timing
				of the first certificate of occupancy for the Project.
Tribal Cultural Resources Tribal Cultural Resources Cont.	Less than Significant	**TCR-1** The following requests are from the ACBCI's AB 52 response letter dated February 19, 2025: • Formal government to government consultation under California Assembly Bill No. 52 (AB-52). • A cultural resources inventory of the project area by a qualified archaeologist prior to any development activities in this area. • Copies of any cultural resource documentation (report and site records) generated in connection with this project. • A copy of the records search with associated survey reports and site records from the information center. • The presence of an approved Agua Caliente Native American Cultural Resource Monitor(s) during any ground disturbing activities (including archaeological testing and surveys). Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt and the Monitor shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the Agua Caliente Tribal Historic Preservation Office.	Project applicant, ACBCI THPO, Tribal Monitor(s), Planning Division.	The executed monitoring agreements shall be provided to the City prior to the issuance of grading permits. Should buried cultural deposits be encountered, the Monitor may request that destructive construction halt and the Monitor shall notify a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the Agua Caliente Tribal Historic Preservation Office. Within 30 days of the completion of ground disturbing activities on the Project site, a report of findings shall be filed with the City and with the Agua Caliente Band of Cahuilla Indians

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CalEEMod Air Quality and GHG Modeling

Armtech Master Plan Detailed Report

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Data Field	Value
Project Name	Armtech Master Plan
Construction Start Date	6/1/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.66141039564084, -116.16676469047793
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5667
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	15.0	1000sqft	0.34	15,000	25,500	—	—	—

Unrefrigerated Warehouse-No Rail	37.8	1000sqft	0.87	37,800	—	—	—	—
Industrial Park	3.00	1000sqft	1.80	3,000	—	—	—	—
Parking Lot	100	1000sqft	2.30	0.00	71,500	—	—	—
Road Widening	0.40	Mile	1.60	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	3.40	31.7	31.8	0.05	9.26	5.25	2.53	5,577
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	14.0	43.7	53.4	0.10	4.23	2.11	0.10	11,192
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	2.39	7.51	10.7	0.02	1.29	0.73	0.57	2,177
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	0.44	1.37	1.96	< 0.005	0.23	0.13	0.09	360
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—

Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2025	3.40	31.7	31.8	0.05	9.26	5.25	2.00	5,577
2026	2.59	17.4	26.4	0.04	1.28	0.79	2.53	4,785
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2025	5.07	43.7	53.4	0.10	4.23	2.11	0.10	11,192
2026	14.0	11.2	15.6	0.03	0.85	0.48	0.05	3,188
Average Daily	—	—	—	—	—	—	—	—
2025	0.81	7.31	8.73	0.01	1.29	0.73	0.29	1,645
2026	2.39	7.51	10.7	0.02	0.56	0.33	0.57	2,177
Annual	—	—	—	—	—	—	—	—
2025	0.15	1.33	1.59	< 0.005	0.23	0.13	0.05	272
2026	0.44	1.37	1.96	< 0.005	0.10	0.06	0.09	360

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	2.45	1.08	10.1	0.02	1.52	0.41	10.3	3,318
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	1.92	1.12	5.26	0.02	1.51	0.41	4.83	3,099

Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	2.23	1.11	7.66	0.02	1.51	0.41	7.11	3,188
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	0.41	0.20	1.40	< 0.005	0.27	0.07	1.18	528
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	10,000
Unmit.	—	—	—	—	—	—	—	No

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	0.68	0.73	7.44	0.02	1.49	0.39	5.62	1,857
Area	1.75	0.02	2.43	< 0.005	< 0.005	< 0.005	—	10.0
Energy	0.02	0.33	0.28	< 0.005	0.03	0.03	—	1,182
Water	—	—	—	—	—	—	—	155
Waste	—	—	—	—	—	—	—	109
Refrig.	—	—	—	—	—	—	4.69	4.69
Total	2.45	1.08	10.1	0.02	1.52	0.41	10.3	3,318

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	0.55	0.79	4.98	0.02	1.49	0.39	0.15	1,649
Area	1.35	—	—	—	—	—	—	—
Energy	0.02	0.33	0.28	< 0.005	0.03	0.03	—	1,182
Water	—	—	—	—	—	—	—	155
Waste	—	—	—	—	—	—	—	109
Refrig.	—	—	—	—	—	—	4.69	4.69
Total	1.92	1.12	5.26	0.02	1.51	0.41	4.83	3,099
Average Daily	—	—	—	—	—	—	—	—
Mobile	0.58	0.76	5.72	0.02	1.48	0.38	2.43	1,731
Area	1.62	0.01	1.66	< 0.005	< 0.005	< 0.005	—	6.86
Energy	0.02	0.33	0.28	< 0.005	0.03	0.03	—	1,182
Water	—	—	—	—	—	—	—	155
Waste	—	—	—	—	—	—	—	109
Refrig.	—	—	—	—	—	—	4.69	4.69
Total	2.23	1.11	7.66	0.02	1.51	0.41	7.11	3,188
Annual	—	—	—	—	—	—	—	—
Mobile	0.11	0.14	1.04	< 0.005	0.27	0.07	0.40	287
Area	0.30	< 0.005	0.30	< 0.005	< 0.005	< 0.005	—	1.14
Energy	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	—	196
Water	—	—	—	—	—	—	—	25.6
Waste	—	—	—	—	—	—	—	18.1
Refrig.	—	—	—	—	—	—	0.78	0.78
Total	0.41	0.20	1.40	< 0.005	0.27	0.07	1.18	528

3. Construction Emissions Details

3.1. Linear Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.69	32.6	36.9	0.07	1.46	1.35	—	7,671
Dust From Material Movement	—	—	—	—	1.45	0.16	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.71	0.81	< 0.005	0.03	0.03	—	168
Dust From Material Movement	—	—	—	—	0.03	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.15	< 0.005	0.01	0.01	—	27.8
Dust From Material Movement	—	—	—	—	0.01	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.21	2.03	0.00	0.49	0.11	0.05	480
Vendor	< 0.005	0.04	0.02	< 0.005	0.01	< 0.005	< 0.005	33.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	1.86
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.12
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Linear Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	7.92	11.7	0.02	0.34	0.31	—	1,775
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.16	< 0.005	< 0.005	< 0.005	—	24.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	< 0.005	—	4.03
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Worker	0.07	0.10	0.95	0.00	0.23	0.05	0.02	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	3.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	0.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.31	31.6	30.2	0.05	1.37	1.26	—	5,314
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.91	1.82	< 0.005	0.08	0.08	—	320
Dust From Material Movement	—	—	—	—	0.46	0.24	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.35	0.33	< 0.005	0.02	0.01	—	53.0
Dust From Material Movement	—	—	—	—	0.08	0.04	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.67	0.00	0.23	0.05	0.90	264
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.01	< 0.005	0.02	14.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	16.3	17.9	0.03	0.72	0.66	—	2,970

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Dust From Material Movement	—	—	—	—	2.76	1.34	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	2.01	2.21	< 0.005	0.09	0.08	—	366
Dust From Material Movement	—	—	—	—	0.34	0.16	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.37	0.40	< 0.005	0.02	0.01	—	60.6
Dust From Material Movement	—	—	—	—	0.06	0.03	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.43	0.00	0.20	0.05	0.77	226
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.02	0.01	0.04	25.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	0.40	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	0.40	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.45	3.06	0.01	0.10	0.09	—	565
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.56	< 0.005	0.02	0.02	—	93.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.12	0.12	2.23	0.00	0.31	0.07	1.20	353
Vendor	0.01	0.31	0.14	< 0.005	0.08	0.03	0.80	302
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.13	1.27	0.00	0.31	0.07	0.03	300
Vendor	0.01	0.33	0.14	< 0.005	0.08	0.03	0.02	301

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.37	0.00	0.07	0.02	0.12	75.3
Vendor	< 0.005	0.08	0.03	< 0.005	0.02	0.01	0.08	70.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.01	< 0.005	0.02	12.5
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01	11.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	0.35	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	0.35	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	6.73	8.86	0.02	0.26	0.24	—	1,643
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.23	1.62	< 0.005	0.05	0.04	—	272

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.11	2.08	0.00	0.31	0.07	1.09	346
Vendor	0.01	0.29	0.13	< 0.005	0.08	0.03	0.74	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.12	1.18	0.00	0.31	0.07	0.03	294
Vendor	0.01	0.31	0.13	< 0.005	0.08	0.03	0.02	296
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.08	1.00	0.00	0.21	0.05	0.32	214
Vendor	0.01	0.21	0.09	< 0.005	0.06	0.02	0.22	202
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.04	0.01	0.05	35.5
Vendor	< 0.005	0.04	0.02	< 0.005	0.01	< 0.005	0.04	33.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	7.12	9.94	0.01	0.32	0.29	—	1,516
Paving	0.57	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.39	0.54	< 0.005	0.02	0.02	—	83.1
Paving	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.10	< 0.005	< 0.005	< 0.005	—	13.8
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.07	1.33	0.00	0.20	0.05	0.70	221
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.01	< 0.005	0.02	11.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	1.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2026) - Unmitigated

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Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	0.02	—	134
Architectural Coatings	12.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.13	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.49	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	2.61
Architectural Coatings	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.06	0.01	0.01	58.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.03	0.00	0.01	< 0.005	0.01	7.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	1.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Manufacturing	0.29	0.31	3.13	0.01	0.63	0.16	2.37	782
Unrefrigerated Warehouse-No Rail	0.26	0.28	2.84	0.01	0.57	0.15	2.15	710
Industrial Park	0.13	0.14	1.46	< 0.005	0.29	0.08	1.10	365
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.68	0.73	7.44	0.02	1.49	0.39	5.62	1,857
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Manufacturing	0.23	0.33	2.10	0.01	0.63	0.16	0.06	695
Unrefrigerated Warehouse-No Rail	0.21	0.30	1.90	0.01	0.57	0.15	0.06	630
Industrial Park	0.11	0.16	0.98	< 0.005	0.29	0.08	0.03	324
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.55	0.79	4.98	0.02	1.49	0.39	0.15	1,649
Annual	—	—	—	—	—	—	—	—
Manufacturing	0.04	0.06	0.44	< 0.005	0.11	0.03	0.17	121
Unrefrigerated Warehouse-No Rail	0.04	0.05	0.40	< 0.005	0.10	0.03	0.15	110
Industrial Park	0.02	0.03	0.21	< 0.005	0.05	0.01	0.08	56.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.11	0.14	1.04	< 0.005	0.27	0.07	0.40	287

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	330
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	307
Industrial Park	—	—	—	—	—	—	—	82.7
Parking Lot	—	—	—	—	—	—	—	63.5
Total	—	—	—	—	—	—	—	783
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	330
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	307
Industrial Park	—	—	—	—	—	—	—	82.7
Parking Lot	—	—	—	—	—	—	—	63.5
Total	—	—	—	—	—	—	—	783
Annual	—	—	—	—	—	—	—	—

Manufacturing	—	—	—	—	—	—	—	54.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	50.8
Industrial Park	—	—	—	—	—	—	—	13.7
Parking Lot	—	—	—	—	—	—	—	10.5
Total	—	—	—	—	—	—	—	130

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Manufacturing	0.01	0.13	0.11	< 0.005	0.01	0.01	—	157
Unrefrigerated Warehouse-No Rail	0.01	0.19	0.16	< 0.005	0.01	0.01	—	232
Industrial Park	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.33	0.28	< 0.005	0.03	0.03	—	399
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Manufacturing	0.01	0.13	0.11	< 0.005	0.01	0.01	—	157
Unrefrigerated Warehouse-No Rail	0.01	0.19	0.16	< 0.005	0.01	0.01	—	232
Industrial Park	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.33	0.28	< 0.005	0.03	0.03	—	399
Annual	—	—	—	—	—	—	—	—
Manufacturing	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	25.9
Unrefrigerated Warehouse-No Rail	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	—	38.4
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.71

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	—	66.0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Consumer Products	1.20	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—
Landscape Equipment	0.40	0.02	2.43	< 0.005	< 0.005	< 0.005	—	10.0
Total	1.75	0.02	2.43	< 0.005	< 0.005	< 0.005	—	10.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Consumer Products	1.20	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—
Total	1.35	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Consumer Products	0.22	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—
Landscape Equipment	0.05	< 0.005	0.30	< 0.005	< 0.005	< 0.005	—	1.14
Total	0.30	< 0.005	0.30	< 0.005	< 0.005	< 0.005	—	1.14

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	41.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	102
Industrial Park	—	—	—	—	—	—	—	8.08
Parking Lot	—	—	—	—	—	—	—	3.13
Total	—	—	—	—	—	—	—	155
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	41.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	102
Industrial Park	—	—	—	—	—	—	—	8.08
Parking Lot	—	—	—	—	—	—	—	3.13
Total	—	—	—	—	—	—	—	155
Annual	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	6.88
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	16.9
Industrial Park	—	—	—	—	—	—	—	1.34
Parking Lot	—	—	—	—	—	—	—	0.52
Total	—	—	—	—	—	—	—	25.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	35.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	67.0
Industrial Park	—	—	—	—	—	—	—	7.01
Parking Lot	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	109
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	35.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	67.0
Industrial Park	—	—	—	—	—	—	—	7.01
Parking Lot	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	109
Annual	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	5.81
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	11.1
Industrial Park	—	—	—	—	—	—	—	1.16
Parking Lot	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	18.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	3.90	3.90
Industrial Park	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	4.69	4.69
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	3.90	3.90
Industrial Park	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	4.69	4.69
Annual	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	0.65	0.65
Industrial Park	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	0.78	0.78

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear Grading	Linear, Grading & Excavation	10/1/2025	10/11/2025	5.00	8.00	—
Linear Paving	Linear, Paving	10/19/2025	10/24/2025	5.00	5.00	—
Site Preparation	Site Preparation	6/1/2025	7/1/2025	5.00	22.0	—
Grading	Grading	7/2/2025	9/2/2025	5.00	45.0	—

Building Construction	Building Construction	9/3/2025	12/15/2026	5.00	335	—
Paving	Paving	9/3/2026	9/30/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	11/1/2026	12/30/2026	5.00	43.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Linear Grading	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Linear Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Linear Grading	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Linear Grading	Signal Boards	Electric	Average	0.00	8.00	6.00	0.82
Linear Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Linear Grading	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Linear Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Linear Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Linear Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Linear Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Linear Paving	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Linear Paving	Signal Boards	Electric	Average	0.00	8.00	6.00	0.82
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37

Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	23.4	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	9.15	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	4.69	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Linear Grading	—	—	—	—
Linear Grading	Worker	37.5	18.5	LDA,LDT1,LDT2
Linear Grading	Vendor	1.00	10.2	HHDT,MHDT
Linear Grading	Hauling	0.00	20.0	HHDT
Linear Grading	Onsite truck	—	—	HHDT
Linear Paving	—	—	—	—
Linear Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Linear Paving	Vendor	0.00	10.2	HHDT,MHDT
Linear Paving	Hauling	0.00	20.0	HHDT
Linear Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

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Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	83,700	27,900	6,000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Linear Grading	—	—	1.60	0.00	—
Site Preparation	—	—	33.0	0.00	—
Grading	—	—	45.0	0.00	—
Paving	0.00	0.00	0.00	0.00	4.40

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Manufacturing	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Industrial Park	0.50	100%
Parking Lot	2.30	100%

Road Widening	1.60	98%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	223	0.03	< 0.005
2026	0.00	262	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Manufacturing	71.3	71.3	71.3	26,006	878	878	878	320,572
Unrefrigerated Warehouse-No Rail	64.6	64.6	64.6	23,593	797	797	797	290,823
Industrial Park	33.2	33.2	33.2	12,133	410	410	410	149,555
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	83,700	27,900	6,000

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	455,616	262	0.0330	0.0040	487,269
Unrefrigerated Warehouse-No Rail	423,905	262	0.0330	0.0040	721,462
Industrial Park	114,097	262	0.0330	0.0040	32,149
Parking Lot	87,600	262	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	3,468,750	478,523
Unrefrigerated Warehouse-No Rail	8,741,250	0.00
Industrial Park	693,750	0.00
Parking Lot	0.00	1,341,741

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	18.6	—
Unrefrigerated Warehouse-No Rail	35.5	—
Industrial Park	3.72	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	23.2	annual days of extreme heat
Extreme Precipitation	0.40	annual days with precipitation above 20 mm

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Sea Level Rise	—	meters of inundation depth
Wildfire	0.06	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	88.7
AQ-PM	8.80
AQ-DPM	53.3
Drinking Water	18.1
Lead Risk Housing	34.9
Pesticides	46.9
Toxic Releases	6.19
Traffic	10.4
Effect Indicators	—

CleanUp Sites	0.00
Groundwater	65.3
Haz Waste Facilities/Generators	92.9
Impaired Water Bodies	77.3
Solid Waste	59.2
Sensitive Population	—
Asthma	54.3
Cardio-vascular	75.6
Low Birth Weights	45.1
Socioeconomic Factor Indicators	—
Education	88.2
Housing	98.0
Linguistic	99.9
Poverty	91.1
Unemployment	98.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.03464648
Employed	28.69241627
Median HI	10.22712691
Education	—
Bachelor's or higher	4.824842808
High school enrollment	8.135506224
Preschool enrollment	7.198768125
Transportation	—

Auto Access	63.41588605
Active commuting	6.544334659
Social	—
2-parent households	91.89015783
Voting	11.48466573
Neighborhood	—
Alcohol availability	73.0784037
Park access	19.64583601
Retail density	18.06749647
Supermarket access	15.03913769
Tree canopy	3.528807905
Housing	—
Homeownership	78.22404722
Housing habitability	29.87296292
Low-inc homeowner severe housing cost burden	7.891697677
Low-inc renter severe housing cost burden	24.79147953
Uncrowded housing	18.95290645
Health Outcomes	—
Insured adults	2.887206467
Arthritis	0.0
Asthma ER Admissions	54.4
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	47.0

Cognitively Disabled	74.6
Physically Disabled	57.4
Heart Attack ER Admissions	55.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	7.3
Elderly	97.6
English Speaking	7.1
Foreign-born	91.0
Outdoor Workers	2.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	68.8
Traffic Density	17.7
Traffic Access	23.0
Other Indices	—
Hardship	92.5
Other Decision Support	—

2016 Voting	20.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	9.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Assumes full buildout of master plan would occur in 2026.
Operations: Vehicle Data	Trip rates sourced from project specific Traffic Impact Analysis. Total daily project trips = 169
Land Use	Acreage includes 1.74 acres of retention basins, 1.6 acres of roadway widening and sidewalk improvements, 2.3 acres of onsite parking lot and fire access roads, 97,000 SF of landscaping on- and off-site (preliminary, rough estimate).
Construction: Paving	Linear improvements include asphalt paving and sidewalks/curbs (non-asphalt)
Operations: Landscape Equipment	Desert climate.

Appendix C
IPaC Species List

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
Phone: (760) 431-9440 Fax: (760) 431-5901

In Reply Refer To: 02/18/2025 20:41:21 UTC
Project Code: 2025-0057963
Project Name: Armtec Master Plan Expansion, Phase 2 and Phase 3

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A biological assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a biological assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a biological assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found at the Fish and Wildlife Service's Endangered Species Consultation website at:

https://www.fws.gov/service/esa-section-7-consultation

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

PROJECT SUMMARY

Project Code: 2025-0057963
Project Name: Armtec Master Plan Expansion, Phase 2 and Phase 3
Project Type: Commercial Development
Project Description: Project proposes the expansion of the existing Armtec facilities and off-site roadway improvements.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@33.6629746,-116.1664670434015,14z



Counties: Riverside County, California

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Peninsular Bighorn Sheep *Ovis canadensis nelsoni* Population: Peninsular CA pop. There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4970	Endangered

BIRDS

NAME	STATUS
Least Bell's Vireo *Vireo bellii pusillus* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5945	Endangered

REPTILES

NAME	STATUS
Coachella Valley Fringe-toed Lizard *Uma inornata* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2069	Threatened
Desert Tortoise *Gopherus agassizii* Population: Wherever found, except AZ south and east of Colorado R., and Mexico There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4481	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus* There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

FLOWERING PLANTS

NAME	STATUS
Coachella Valley Milk-vetch *Astragalus lentiginosus var. coachellae* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7426	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency:	Coachella city
Name:	Kelly Clark
Address:	42635 Melanie Place
Address Line 2:	Suite 101
City:	Palm Desert
State:	CA
Zip:	92211
Email	kclark@terranovaplanning.com
Phone:	7603414800

Appendix D
Phase I Archaeological and Paleontological Assessment

CONFIDENTIAL
Available upon request to qualified professionals

Appendix E
Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Armtec Defense Technologies
85901 Avenue 53
Coachella, California

Prepared For:

Terra Nova Planning & Research, Inc.
42635 Melanie Place, Ste 101
Palm Desert, California 92211

Prepared By:

Northgate Environmental Management, Inc.
92 Argonaut, Suite 100
Aliso Viejo, California 92656

August 5, 2024

Project No. 2162.01

428 13th Street, 4th Floor
Oakland, California 94612
tel 510.839.0688

92 Argonaut, Suite 100
Aliso Viejo, California 92656
tel 949.716.0050

47 East All Saints Street
Frederick, Maryland 21701
tel 301.528.1500

www.ngem.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Armtec Defense Technologies – 85901 Avenue 53, Coachella, California

August 5, 2024

Prepared For:

Terra Nova Planning & Research, Inc.
42635 Melanie Place, Ste 101
Palm Desert, California 92211

Prepared By:

Northgate Environmental Management, Inc.
92 Argonaut, Suite 100
Aliso Viejo, California 92656

Derrick S. Willis
Principal

Jacob Lacy, CHMM, REM
Environmental Professional

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I The EDR Building Permit Report
J The EDR Property Tax Map Report
K Phase I ESA Questionnaire
L Environmental Professional Qualifications

1.0 SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) of a property located 85901 Avenue 53 in Coachella, California (the Subject Property) prepared by Northgate Environmental Management, Inc. (Northgate) for Terra Nova Planning & Research, Inc. (Terra Nova). The Subject Property consists of one developed lot and one undeveloped lot. A munitions manufacturing facility, producing combustible ordnance and countermeasure products, is located on the developed portion lot, with an empty lot just across Avenue 53 to the north. The total Subject Property consists of approximately 53 acres identified by APNs 778-390-008 and 778-420-013 in Riverside County. A Subject Property Location Map is shown on Figure 1 and a Subject Property Plan is shown on Figure 2.

Available historical information indicates that the Subject Property consisted of agricultural land since at least 1949 and remained agricultural through the late 1960s. By 1972, the Subject Property had been partially developed with the current Armtec facility. Facility expansion is seen in the aerials from 1984, 1996, 2002 and 2006. The Subject Property has remained in the configuration seen in 2006 into the present. The areas in the vicinity of the Subject Property were primarily agricultural and vacant, undeveloped land from at least 1949 through the late 1960s. From 1972 onward, industrial, commercial, and residential developments begin to expand gradually throughout the parcels surrounding the Subject Property. The first residential development appears south of the Subject Property in 1972, as well as in the north. By 2016, north and south adjacent parcels have been developed, and parcels adjacent to the east and west remain vacant with the exception of a trailer park residential subdivision east of Tyler Street. The parcels adjacent to the east and west of the Subject Property remain mostly vacant to this day.

In summary, Northgate has performed a Phase I ESA of a property located South of Avenue 53, West of Tyler Street in Coachella, California in conformance with the scope and limitations of ASTM Practice E 1527-21, which was adopted as the new standard by the EPA on February 13, 2023, and the standards and practices of the All Appropriate Inquiry – Final Rule (40 Code of Federal Regulations [CFR] Part 312). Any exceptions to, or deletions from, these practices are described in Section 2.3 of this report. This assessment revealed the following Recognized Environmental Condition (REC) associated with the Subject Property:

- An 8,000-gallon underground storage tank (UST) containing xylenes was present at the facility from 1992 until its removal in 2001. According to records obtained from Riverside County's Department of Environmental Health, one or more leaks from the former UST were reported between 1998 and 2001. The UST and associated piping was subsequently removed and investigations indicated that residual concentrations of benzene, ethylbenzene, toluene and xylenes were present in soil and that impacted soil extended to groundwater. BTEX concentrations were noted to be below regulatory

cleanup levels; however, groundwater was noted to be impacted with xylenes at concentrations that exceeded the California maximum contaminant level (MCL). The lack of closure documentation represents a REC.

The assessment has revealed the following Historic RECs (HRECs) associated with the Subject Property:

- The Armtec Facility has, both presently and in the past, operated settling ponds. A final pond closure plan from URS dated July 12, 2001, in conjunction with Cleanup and Abatement Order (CAO) No. 00-135, indicated that nitrocellulose contamination was present in the soil under the floor of the evaporation/percolation ponds, but at concentrations well below human health risk-based regulatory cleanup levels. Nitrocellulose contamination was typically restricted to the upper 6 inches of soil beneath the ponds. According to the report, Armtec redesigned the manufacturing process where washdown and process waster is recycled rather than discharged, thus the use of five out of seven ponds was discontinued. The report closes with a statement that Armtec intended to remove the soil and incinerate it onsite. Significant records documenting communication between Armtec and the Regional Water Quality Control Board for the Colorado River Basin (RWQCB) regarding monitoring and analysis of the ponds were present including a recission of the CAO and a no further action letter.

The assessment did not reveal any Controlled RECs (CRECs) associated with the Subject Property. However, the following business environmental risk (BER) was identified:

- Due to the nature of the facility residing on the Subject Property, manufacturing munitions including combustible ordnance and countermeasure products, for at least 52 years, the potential for subsurface contamination cannot be ruled out.
- The Subject Property has consisted of agricultural land since at least 1949, and remained agricultural through the late 1960s, which can represent a potential for shallow subsurface impacts related to the potential historic use of pesticides, herbicides, and/or insecticides.

2.0 INTRODUCTION

This report presents the results of a Phase I ESA of a property located at 85901 Avenue 53 in Coachella, California. The Subject Property consists of two parcels totaling about 53-acres of developed and undeveloped land with a munitions manufacturing facility situated on one of the two parcels at the Subject Property. The Subject Property is identified by APNs 778-390-008 and 778-420-013 in Riverside County. A Subject Property Location Map is shown on Figure 1 and a Subject Property Plan is shown on Figure 2.

2.1 Purpose

The purpose of Phase I ESA has been to identify and evaluate the presence of RECs at the Subject Property. The term "REC" means *(1) the presence of hazardous substances or petroleum products in, on or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on or at the subject property under conditions that pose a material threat of a future release to the environment*. The term is not intended to include *de minimus* conditions that generally do not present a threat to human health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 Scope of Services

Northgate has performed this Phase I ESA in general conformance with the scope and limitations of ASTM E-1527-21, *Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and 40 CFR Part 312, *Standards and Practices for All Appropriate Inquiry – Final Rule*, which was adopted as the new standard by the EPA on February 13, 2023. This investigation was conducted by Environmental Professional Jacob Lacy, with review from Derrick Willis, Northgate Principal. The scope of work for the investigation included the following services:

- Review of readily available information regarding the history of the Subject Property, including historic aerial photographs, maps, previous reports, and other information, and discussions with individuals familiar with the Subject Property;
- A reconnaissance of the Subject Property and near vicinity;
- Review of regulatory agency files for the Subject Property and surrounding area, as applicable;

- Interview with the Subject Property owner, tenants, and others as appropriate regarding land use at the Subject Property;
- Evaluation of potential RECs, development of conclusions and recommendations as appropriate; and
- Preparation of this report.

2.3 Limitations and Exceptions

2.3.1 Limitations

The purpose of an environmental assessment is to reasonably evaluate the potential for RECs arising from past practices on a given site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. No investigation is thorough enough to absolutely rule out the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not be construed as a guarantee of the absence of such materials on the Subject Property, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

Environmental conditions may exist at the Subject Property that cannot be identified by visual observation. Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Except where there is express concern of Northgate's client, or where specific environmental contaminants have been previously reported by others, naturally occurring toxic substances, potential environmental contaminants inside buildings, or contaminant concentrations that are not of current environmental concern may not be reflected in this document.

Where the scope of services is limited to interview and/or review of readily available reports and literature, any conclusions and/or recommendations are necessarily based largely on information supplied by others, the accuracy or sufficiency of which may not be independently reviewed by Northgate.

Any opinions and/or recommendations presented apply to Subject Property conditions existing at the time of performance of services. Northgate is unable to report on, or accurately predict, generally unforeseeable events that may impact the Subject Property following performance of services, whether occurring naturally or caused by external forces. Therefore, Northgate cannot

assume responsibility for such events or their impact. Northgate also cannot assume responsibility for changes in environmental standards, practices, or regulations.

2.3.2 Exceptions

The time intervals between some historical information sources may exceed five years due to the unavailability of such records. However, in Northgate's opinion, this data gap does not significantly impact our ability to evaluate historic land use conditions at the Subject Property given the availability of other sources for this information.

During the time this report was prepared, Northgate submitted a file review request to the Riverside County Department of Environmental Health. The Department provided multiple files concerning a former leaking UST containing xylene. While these records included valuable information pointing to contamination from the tank, no agency letters indicating case closure were found.

A file review request was also sent to the City of Coachella and while the City confirmed receipt of the file review request, no formal response has been received from this agency. Northgate will issue an addendum to this report if any public records received from these agencies within 90 days of the date of this report significantly changes the conclusions or recommendations of this report.

There were no other limiting conditions.

2.4 Phase I ESA Report Shelf Life

As defined in the ASTM Standard, a Phase I ESA report remains viable if it was completed no more than 180 days prior to the date of acquisitions or up to one year if the Phase I ESA Report have been updated including the following five components: 1) Interviews; 2) Searches for recorded environmental cleanup liens; 3) Review of government records; 4) Reconnaissance of the Subject Property and adjoining properties; and 5) Environmental Professional Declaration.

The shelf life date begins with the date upon which the first of these components was completed. The table below summarizes the date of completion of these components of this Phase I ESA report, with the report shelf life initiating from the earliest of the dates provided below.

Report Component	Date
Interviews	June 26, 2024
Searches for recorded environmental cleanup liens	June 20, 2024
Review of government records	
Government records requests	June 19, 2024
Aerial photographs	June 14, 2024
Sanborn maps	June 14, 2024
Historic topographic maps	June 14, 2024
City directories	July 9, 2024
Subject Property reconnaissance	June 20, 2024
Environmental Professional Declaration	August 5, 2024

2.5 User Reliance

This report has been prepared for the exclusive use of Terra Nova Planning & Research, Inc and its subsidiaries, affiliates, partners, and lenders (collectively the Users) in evaluating environmental conditions at the Subject Property. Others may not use or rely on the information contained in this report without the express written consent of Northgate.

3.0 USER-PROVIDED INFORMATION

3.1 Environmental Liens or Activity and Use Limitations

An environmental lien and activity and use limitation (AUL) search was conducted for the Subject Property by Environmental Data Resources (EDR). EDR's review indicates that there are no environmental liens or AULs of record for this parcel of the Subject Property. A copy of the Environmental Lien and AUL Search is included in Appendix A (EDR, 2024a). The Subject Property is not listed on the Federal NPL LIENS database.

3.2 Valuation Reduction for Environmental Issues

Northgate has not been provided with any information that indicates that the value of the property does not reasonably reflect the fair market value of the property.

3.3 Owner, Property Manager, and Occupant Information

Information provided for the Subject Property by EDR in the Environmental Lien and AUL Search indicates that the title to the Subject Property is vested in Armtec Defense Products Co as of 2010. The Subject Property is currently undeveloped land with no structures.

3.4 Specialized Knowledge

Northgate was not provided any information related to specialized knowledge of the Subject Property.

3.5 Reason for Performing the Phase I ESA

The purpose of this investigation is to assist in evaluating environmental conditions at the Subject Property for general informational purposes.

4.0 SUBJECT PROPERTY RECONNAISSANCE

Current Subject Property conditions were observed during a reconnaissance of the Subject Property and near vicinity performed by Mr. Ricardo Munoz, Project Geologist of Northgate on June 20, 2024. Photographs from the reconnaissance are attached at the end of this report.

4.1 Methodology and Limiting Conditions

The Subject Property reconnaissance was performed by traversing the Subject Property and general area on foot. There were no access issues or limiting conditions encountered during the reconnaissance of the Subject Property, except for entrance into the 11 series buildings due to security clearance.

4.2 Subject Property Conditions

4.2.1 Current Use of the Subject Property

The Subject Property is comprised of various buildings, storage containers, storage areas, basins, parking areas, and a vacant lot. The Subject Property is bordered by fencing to the west, north, east, and south. In general, the facility is used for research and development, chemical evaluation, engineering services, manufacturing of combustible cases for artillery ammunition, mortar systems, and tank ammunition, and quality control operations. A Site Plan showing features identified during the Site Reconnaissance is shown on Figure 2.

4.2.2 Description of Structures, Roads, Sewage, and Potable Water Sources

The subject property is developed with various buildings, storage containers, shade structures, overhead and underground piping, and aboveground storage tanks (ASTs). The Subject Property is bordered by fencing to the west, north, east and south and is only accessible from the east via Tyler Street. Sewage and potable water services are currently provided to the Subject Property from the Imperial Irrigation District.

4.2.3 Inspection Observations

- ***Hazardous Substances and Petroleum Products in Connection with Identified Uses***

Hazardous substances and petroleum products were observed in connection with identified uses during the inspection of the Subject Property. The following were observed;

  - Storage of nitrocellulose was reportedly stored within Buildings 11, 11A, 11B, 11C and observed in Building 5.

- A fuel point is located in the northern portion of the Subject Property and utilizes a fuel dispenser equipped with a 1,000-gallon gasoline AST and a 1,000-gallon diesel AST and 5-gallon gasoline, diesel, and motor oil containers.
- A 10,000-gallon xylene AST was observed in the southeastern portion of the Subject Property.
- A hazardous Material Storage Area is located in the central portion of the Subject Property and is comprised of temperature-controlled shipping containers with various chemicals including aquamarine dye, yellow dye, lemon yellow dye, synthomer, resin, tan dye, soda ash, kymene, kor-lok, acrylic, and nalcon.

- ***Storage Tanks***

No evidence of USTs was observed during the inspection of the Subject Property. Various ASTs were observed during the reconnaissance including the following:

- One 10,000-gallon xylene AST was observed in the southeastern portion of the Subject Property.
- Fourteen 30,000-gallon slurry ASTs were observed at the Subject Property adjacent to Building 3, 6, and 9. Slurry is a mixture of chemicals and nitrocellulose and is used to make molds for artillery, tank, and motor programs.
- Three white water 30,000-gallon ASTs were observed adjacent to Building 3 and 6. White water is treated water that has been recycled and is used to make slurry mixtures.
- One 10,000-gallon sodium hydroxide AST, two 10,000-gallon grey water ASTs, one 7,000-gallon nitrogen AST, and one 10,000-gallon wastewater AST was observed south of Building 2. These ASTs are used to treat wastewater and are sent to the Peroxydisulfate (PDS) treatment system for discharge to the city sewer system.
- Five 10,000-gallon water holding ASTs were observed as part of the PDS, an area where water is stored, treated for pH imbalance, and discharged to the city sewer system.
- Two 30,000-gallon water holding ASTs, three 10,000-gallon ASTs, and three 5,000-gallon ASTs were observed as part of the Process Water Recovery System (PWRS). These ASTs hold water that has gone through the process within Buildings 3, 6, and 9 and are treated and filtered for reuse.

- ***Strong, Pungent, or Obnoxious Odors***

No strong, pungent, or obnoxious odors were observed during the inspection of the Subject Property.

- ***Standing Surface Water, Pools, or Sumps Containing Liquids***

Two lined basins used to collect runoff stormwater and recycled water using aeration techniques were observed in the southern portion of the Subject Property. Two dry retention basins and a series of ponds were reportedly located in the eastern portion of the Subject Property that are reportedly used for stormwater runoff.

- ***Drums, Totes, and Bulk Containers***

Large quantities of drums and totes were observed at the Subject Property. Clean empty drums and totes were observed in the central portion of the Subject Property. The empty drums and totes can be moved to any of the nine satellite storage areas located throughout the Subject Property when necessary. The satellite storage areas utilize secondary containment features such as containment pallets and/or berms. Once the drums and/or totes are full, they are sent to the Hazardous Waste Storage Area located in the southern portion of the Subject Property.

Drums containing nitrocellulose were also observed within Building 5 and in areas where slurry is produced. After the contents of these drums are used, these drums are sent to the Hazardous Waste Storage Area pending offsite disposal.

- ***Hazardous Substances and Petroleum Product Containers Not in Connection with Identified Uses***

No hazardous substances or petroleum products not in connection with identified uses were observed during the inspection of the Subject Property.

- ***Unidentified Substance Containers***

No unidentified substance containers were observed during the inspection of the Subject Property.

- ***PCB-Containing Items***

A total of two pole-mounted transformers were noted at the Subject Property. One was located along the eastern boundary, and one located in the northern portion of the Subject Property; however, it could not be determined if the equipment contained polychlorinated biphenyls (PCBs). It was reported that all onsite transformers and substations are facility property and are serviced annually. No leaks or staining were observed in relation to this feature. Three substations were observed at the Subject Property. One located in the central portion, one in the southern portion, and one in the southeastern portion of the Subject Property. It could not be determined if the equipment contained PCBs. No stains or leaks were observed in relation to

these features. Various dry type transformers were also noted throughout the Subject Property; however, they did not appear to contain PCBs.

- ***Heating / Cooling***

Many buildings and structures contained heating / cooling equipment maintained by employees at the facility.

- ***Stains or Corrosion on Floors, Walls, or Ceilings***

No stains or corrosion on floors, walls, or ceilings were observed during the inspection of the Subject Property.

- ***Drains and Sumps***

Trench drains and/or drains were observed within the interior and exterior of Building 3, Building 6, and Building 9. Trench drains were also observed at the PWRS, WEPA Area, and the Hazardous Waste Storage Area. Aqueous solutions are funneled into various sumps throughout the Subject Property and is pumped to hazardous waste storage containers or to the water treatment area via aboveground piping.

- ***Pits, Ponds, or Lagoons***

No pits, ponds, or lagoons were observed during the inspection of the Subject Property.

- ***Stained Soil or Pavement***

No stained soil or pavement was observed during the inspection of the Subject Property.

- ***Stressed Vegetation***

No stressed vegetation was observed during the inspection of the Subject Property.

- ***Solid Waste***

At the PWRS located in the southern portion of the Subject Property, fibers are filtered out as part of the water treatment activities. These fibers are mixed with cardboard that is shredded at the Soaking Tank area and is shipped out for reuse at other facilities.

- ***Water / Wastewater***

No water or wastewater was observed on the ground during the inspection of the Subject Property.

- ***Wells***

Three groundwater monitoring wells were observed during the inspection of the Subject Property. These wells are sampled twice a year with comprehensive reports submitted to the Regional Water Quality Control Board – Colorado River Basin Region, to confirm that environmental impacts are not occurring as a result of onsite activities. A cement water structure

was observed in the northern portion of the Subject Property and is monitored by the local municipality. A water production well was also reported at the Subject Property and was historically used to supply water for onsite activities but is no longer in use.

- ***Septic Systems or Cesspools***

No septic systems or cesspools were observed during the inspection of the Subject Property.

4.3 Current Uses of Adjoining Properties

The Subject Property is located in an area with mixed residential, recreational, and agricultural land use. The Subject Property is bordered on the north by Avenue 53 beyond which is residential development. To the east, the Subject Property is bordered by Tyler Street, beyond which is vacant land, residential development, and commercial developments. To the south, the Subject Property is bordered by agricultural land. To the west the Subject Property is bordered by a recreational field used for sports and agricultural land.

4.4 Subject Property Reconnaissance Summary

In summary, Northgate's reconnaissance of the Subject Property did indicate the presence of conditions indicating the use and storage of hazardous materials at the Subject Property. In general, hazardous chemicals are stored in various areas of the Subject Property, namely building 5, Buildings 11 through 11C, and the Hazardous Material Storage Area. Chemicals are used to produce slurry for the production of artillery, molds, and tanks. Waste products are temporarily stored in satellite accumulation and/or the Hazardous Waste Storage Area. Water used within the Subject Property is treated and reused or discharged to the city sewer system. Products are tested, stored, and shipped offsite. As part of the Subject Property operations various storage areas, administrative buildings, research and development, and maintenance equipment can be found throughout the Subject Property. No evidence of a release was observed during the Subject Property reconnaissance.

5.0 SUBJECT PROPERTY PHYSICAL SETTING

5.1 Subject Property Location and Legal Description

The Subject Property is located at 85901 Avenue 53 in Coachella, California. The Subject Property consists of approximately 53 acres identified by APNs 778-390-008 and 778-420-013 in Riverside County. A Subject Property Location Map is shown on Figure 1 and a Subject Property Plan is shown on Figure 2.

5.2 Subject Property Vicinity General Characteristics

The Subject Property consists of both developed and undeveloped land with a munitions manufacturing facility, producing combustible ordnance and countermeasure products, situated on one of the two parcels. The vicinity can be described a mix of commercial, industrial, agricultural, and residential properties. The Subject Property is locally bordered on the north by a residential development, on the east by Tyler Street, on the west by a soccer field and row crops, and on the south by additional agricultural land.

5.3 Geology and Groundwater

5.3.1 Geology

The Subject Property is located approximately 12.5 miles northeast of the Salton Sea within the Coachella Valley, a structural and topographic depression that is related to complex interactions with the San Andreas fault system. Offsets along various detachment faults produced the Coachella Valley and erosional processes transport sediment from topographic highs in the surrounding mountains (Little San Bernardino Mountains to the northeast, the foothills of the San Bernardino Mountains to the northwest, and the San Jacinto and Santa Rosa Mountains to the southwest) to lower elevations within the valley. The Coachella Valley contains as much as 12,000 feet of sediment (Raimi + Associates, 2014).

The Subject Property sits upon unconsolidated valley sediments, which are mapped as Quaternary alluvial sand and gravel associated with Whitewater River (located approximately 1.2 miles to the east of the Subject Property) and Quaternary clay associated with playa lake deposits (Dibblee, 2008). The Subject Property is located approximately 4 miles west of the San Andreas fault zone, which is considered “active” (active since Holocene time with the potential for surface rupture) according to published earthquake hazard maps in the vicinity (CGS, 2015).

5.3.1 Groundwater

The Subject Property is located within the central portion of the Indio Subbasin (part of the larger Coachella Valley Groundwater Basin). The Indio Subbasin is located northwest of the Salton Sea and is bounded by the Banning fault to the north and semi-permeable rocks of the Indio Hills to the northeast. The subbasin is drained by the Whitewater River and its tributaries and surface flow is directed southeast to the Salton Sea (DWR, 2004).

Groundwater is present within unconsolidated Pleistocene and Holocene alluvial deposits, which consist of older alluvium and the Ocotillo Conglomerate Formation. The Ocotillo Conglomerate consists of a thick sequence (over 1,000 feet thick) of poorly-bedded, coarse sand and gravel and is considered the primary water-bearing unit in the subbasin (DWR, 2004). Groundwater below the Subject Property is part of the Coachella hydrologic subunit and is classified as “beneficial use” for municipal, industrial, and agricultural uses (RWQCB, 2006).

Groundwater information is not available for review at the Subject Property; however, recent groundwater data were identified for a property located near 85989 Avenue 52, Coachella, California, approximately 0.4 miles to the northeast of the Subject Property. Groundwater monitoring wells installed to investigate a petroleum pipeline release located near 85989 Avenue 52 indicate that depth to first groundwater ranges from approximately 15 to 17 below ground surface (bgs). Groundwater was encountered at approximately 10 feet bgs during the xylene UST removal. A groundwater gradient of 0.002 feet per foot directed to the south-southeast was reported at the nearby petroleum pipeline release site (Arcadis, 2023).

6.0 RECORDS REVIEW

6.1 Standard Environmental Record Sources

To determine if the Subject Property has any documented environmental concerns, or if other sites with documented environmental concerns exist within the search radii of the Subject Property prescribed by ASTM 1527 and *All Appropriate Inquiry* standards, Northgate reviewed a summary of regulatory agency database listings prepared by EDR on June 14, 2024. In addition, where appropriate, Northgate reviewed local regulatory agency files for additional specific information regarding sites identified in the EDR report judged to be of possible concern to the Subject Property. The EDR report presenting a summary of the agency databases reviewed and a map showing the location of the identified sites is provided as Appendix B (EDR, 2024b). The results of the database search and follow-up agency file review are summarized below.

6.1.1 Subject Property

The Subject Property is occupied by a small arms and ordinance production facility, and is a large quantity generator of hazardous waste, an Emergency Planning and Community Right-to-Know Act (EPCRA) Tier II reporting facility, and has active impoundments utilized for the treatment and disposal of an unspecified quantity and type of waste. The Subject Property is listed on multiple regulatory agency databases related to the use, storage, and disposal of hazardous materials (EDR, 2024b), as summarized below:

- The Subject Property is listed on the Emission Inventory System (EIS) as a Large Stationary Source and Voluntarily Reported Smaller Source of Air Point Pollutant sources, under Registration number 110064261258. A records review indicated that, as of 2023, the facility incinerates ethylbenzene, xylene, and n-Hexane,

- A Biennial Report from 2021 indicated various hazardous waste generated including ignitable solvents, alkaline solutions, ignitable waste, acidic wastes, heavy metals, inorganic solids, and organic solids. The facility is also required to comply with EPCRA Section 313 and provides an annual Toxic Release Inventory (TRI) consisting of chemicals released to the environment, or otherwise disposed.

- The facility historically had one 8,000-gallon UST containing xylene, which was installed in 1992 and located in the southeast portion of the Subject Property adjacent to building 6. According to records obtained from Riverside County's Department of Environmental Health, one or more leaks from the former UST were reported between 1998 and 2001 and a permit for its removal was dated September 6, 2002. A report from

Advanced GeoEnvironmental, Inc, dated March 21, 2002, is further described in Section 6.3.4.

Two double-lined impoundments are maintained onsite and are utilized for the treatment and disposal of an unspecified quantity and type of process waste containing a variety of compounds. Three onsite monitoring wells are utilized to evaluate ground water conditions and are sampled semi-annually. A Five-Year Report provided to the Regional Water Quality Control Board for the time period from January 2019 to December 2023 indicated that constituents of concern (COCs) including diphenylamine (DPA) were found to be below detection levels for the 2023 year but ranged from 31.4 micrograms per liter (ug/L) to 5.61 ug/L for the previous years from 2019 to 2022.

- Over 100 Safety Data Sheets (SDSs) were provided to Northgate for review following the Site Reconnaissance. The SDSs were divided into three categories: laboratory materials, materials used in mortars, and materials stored in tanks. A variety of materials appear to be utilized at the Subject Property. These materials exhibit multiple hazardous characteristics including ignitability, corrosivity, reactivity, and toxicity.

6.1.2 Subject Property Vicinity Sources

The regulatory agency database search prepared by EDR (Appendix B) indicates the presence of 220 regulatory and other database listings for properties located within an approximate one-mile radius of the Subject Property. Sites with documented releases impacting groundwater located within about 0.25-mile upgradient of the Subject Property, or otherwise judged to be of potential impact to soil, soil vapor, or groundwater quality at the Subject Property, are summarized in the following table.

Property Name	Agency Database	Location Relative to Subject Property	Potential Environmental Concern
El Super Toro Loco #3 – 52051 Grapefruit Ave, Coachella, CA	LUST, Cortese, CERS	.316 miles to the north of the Subject Property (upgradient)	Information in the EDR report indicates that the facility was identified as an automotive service station, with a LUST case having been opened in February of 2004, and closed in July of 2006. The initial petroleum release appeared to have originated from dispenser piping, which was subsequently replaced. Given the distance from the Subject Property, this facility is not likely to represent a significant potential threat to soil, soil vapor, or groundwater quality at the Subject Property.
KOOLCO – 52112 Industrial Way, Coachella, CA	LUST, Cortese, HIST CORTESE, CERS	.346 miles to the north of the Subject Property (upgradient)	Information in the EDR report indicates that the facility was identified as a LUST Cleanup Site, opened in April of 1994, and closed in December of the same year. No further information was reported. Given the distance from the Subject Property, this facility is not likely to represent a significant potential threat to soil, soil vapor, or groundwater quality at the Subject Property.

In summary, the Subject Property is bordered to the north by two LUST Cleanup Sites; however, both are more than a quarter of a mile from the Subject Property. These three sites represent the closest facilities to the Subject Property with issues of environmental concern but are either downgradient or further than one quarter mile away.

6.2 Vapor Encroachment Screening

Northgate evaluated the Subject Property as well as surrounding properties for potential vapor encroachment concerns. The evaluation took into consideration current or past activities that could cause vapor encroachment concerns (VECs). A "Tier I" Vapor Encroachment Screen (VES; Appendix C) was performed to evaluate the potential for vapors associated with contaminated soil and/or groundwater to impact the Subject Property, whether originating from the Subject Property or from nearby vicinity Subject Property sources (EDR, 2024c). For properties where a VEC could not be ruled out, existing subsurface investigation reports, if available, were used to evaluate potential impacts to the Subject Property (Tier 2 screening). The following table presents a summary of the VES Findings.

Potential for Vapor Intrusion on Subject Property	
Areas of Concern	*Conclusion*
Subject Property (existing land use)	VEC identified
Subject Property (former land use)	VEC not identified.
Adjoining Property or near-by Property Operations or Existing Conditions	VEC not identified
Historical Uses of Adjoining Property or Near-by Properties	VEC not identified

Northgate's review identified an 8,000-gallon UST containing xylenes, which was installed in 1992 and located in the southeast portion of the Subject Property adjacent to Building 6. According to records obtained from Riverside County's Department of Environmental Health, one or more leaks from the former UST were reported between 1998 and 2001 and a permit for its removal was dated September 6, 2002. A Soil Sampling Report from Advanced GeoEnvironmental, Inc, (Advanced GeoEnvironmental, Inc., 2002), indicated that benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in soil samples collected around the former UST and piping; however, concentrations of residual soil were below their corresponding EPA RSLs and/or DTSC-SLs for commercial land use. The UST was removed on September 10, 2002, and soil was excavated down to 6 inches above groundwater. After removal of soil and pumping of groundwater from the UST cavity, residual concentrations of xylenes were detected at 4.56 milligrams per liter (mg/l), above the California MCL of 1.75 mg/l for drinking water. Final confirmation soil samples taken from a depth just above the water table found xylene

concentrations ranging from .97 to 210 mg/kg, below the EPA RLS of 2,500 mg/kg for commercial land use. The potential for xylene to be present in the subsurface soil, soil vapor and/or groundwater represents a VEC. Northgate did not identify any known off-Subject Property contamination sources that could have directly impacted soil, soil vapor, or groundwater quality at the Subject Property.

6.3 Additional Environmental Record Sources

Northgate contacted local regulatory agencies for information regarding the use or storage of hazardous materials at the Subject Property, and reviewed files at any agency maintaining a file for the Subject Property beginning on June 19, 2023. The following agencies were contacted for information regarding the use or storage of hazardous materials at the Subject Property:

- California Department of Toxic Substances Control EnviroStor Website;
- State Water Resources Control Board GeoTracker Website;
- California Environmental Protection Agency Website;
- Regional Water Quality Control Board – Colorado River Basin;
- Riverside County, Department of Environmental Health;
- Riverside County Fire Department;
- City of Coachella;
- Air Quality Management District, South Coast; and
- California Department of Conservation, Geologic Energy Management Division.

The results of the records review are described in the following sections.

6.3.1 Department of Toxic Substances Control EnviroStor Website

The Subject Property is not listed on the Department of Toxic Substances Control (DTSC) EnviroStor website, and thus, there are no files related to the property.

6.3.2 State Water Resources Control Board GeoTracker Website

The Subject Property is not listed on the State Water Resources Control Board (SWRCB) GeoTracker website, and thus, there are no files related to the property.

6.3.3 California Environmental Protection Agency Website

The Subject Property is listed on the California Environmental Protection Agency (CalEPA) website; for being subject to Stationary Air Emissions reporting, for the presence of Aboveground Petroleum Storage tanks, for Hazardous Chemical Storage, for being a Large Quantity Generator of Hazardous Waste, and for Land Disposal Activities.

6.3.4 Regional Water Quality Control Board – Colorado River Basin

Northgate submitted a file review request to the Regional Water Quality Control Board – Colorado River Basin (RWQCB). The RWQCB provided extensive documentation concerning the closure of several surface ponds, installation of surface ponds, and monitoring reports. A final pond closure plan from URS dated July 12, 2001 (Appendix D), in conjunction with Cleanup and Abatement Order (CAO) No. 00-135, indicated that nitrocellulose contamination was present in the soil under the floor of the evaporation/percolation ponds in concentrations ranging from 3.5 to 1,660 mg/kg, several magnitudes below the EPA RSLs for commercial land use. Nitrocellulose contamination was typically restricted to the upper 6 inches of soil beneath the ponds. According to the report, Armtec redesigned the manufacturing process where washdown and process waster is recycled rather than discharged, thus the use of five out of seven ponds was discontinued. The report closes with a statement that Armtec intended to remove the soil and incinerate it onsite. Significant records documenting communication between Armtec and RWQCB regarding monitoring and analysis of the ponds were present including a recission of the CAO indicating that no further action was required.

A draft UST closure report from URS dated October 16, 2002 (Appendix D), was also provided. The draft closure report summarized an early investigation where xylenes concentrations in soil samples collected ranged from .002 to 7,380 mg/kg, and ethylbenzene ranged concentrations ranged from 0.002 to 516 mg/kg. The report also summarized a groundwater investigation conducted in June 2002 where xylenes were detected in groundwater at concentrations ranging from .023 to 6,260 mg/l. The report indicated that the UST was removed on September 10, 2002, and soil was excavated down to 6 inches above groundwater. Approximately 26,164 gallons of contaminated groundwater was pumped from the excavation, after which xylenes in groundwater was found to remain at 4.56 mg/l, above the California MCL of 1.75 mg/l for drinking water. Final confirmation soil samples taken from a depth just above the water table found xylenes concentrations ranging from .97 to 210 mg/kg, below the EPA Regional Screening Level (RSL) of 2,500 mg/kg for commercial land use. Benzene was detected in bottom samples at concentrations of .007 to .011 mg/kg, below the Department of Toxic Substances Control Screening Level (DTSC SL) for of 1.4 mg/kg for commercial land use, and toluene was detected at concentrations ranging from .006 to .14 mg/kg, well below the EPA RSL of 47,000 mg/kg for commercial land use. No additional documentation regarding this UST was present in the files, and no record of agency closure was found. The lack of closure documentation represents a REC.

6.3.5 Riverside County, Department of Environmental Health

Northgate submitted a file review request to the Riverside County Department of Environmental Health. According to records obtained from the Department, one or more leaks from a former UST were reported between 1998 and 2001 and a permit for its removal was dated September 6, 2002. A 2002 Soil Sampling Report by Advanced Geo Environmental, Inc. (Appendix D) indicated that xylenes was detected in soil samples around the UST/Piping area at concentrations ranging from 9.2 mg/kg to 520 mg/kg. The report also indicated that impacted soil appeared to extend to the groundwater table at 9 ft bgs. No further documentation concerning the UST was found within the County's files.

6.3.6 Riverside County Fire Department

Northgate submitted a file review request to the Riverside County Fire Department (RCFD). The RCFD replied on June 25, 2024, with an excel spreadsheet documenting various known statuses of the facility operating at the Subject Property. According to the RCFD, the facility at the Subject Property is a large quantity generator of hazardous waste with the EPA ID CAD008252157. The facility also has a Hazardous Materials Business Plan (HMBP) and is subject to Aboveground Petroleum Storage Act (SPSA) programs. Departmental inspections were documented as having been conducted in 2015 and 2020, where no violations were noted.

6.3.7 City of Coachella

Northgate submitted a file review request to the City of Coachella. While the City confirmed receipt of the file review request, no formal response has been received from this agency. Northgate will issue an addendum to this report if any public records received from this agency within 90 days of the date of this report significantly changes the conclusions or recommendations of this report.

6.3.8 Air Quality Management District, South Coast

Northgate submitted a file review request to the South Coast Air Quality Management District (SCAQMD) for the South Coast. The Board replied on June 26, 2024, indicating that they had files relating to the Subject Property. A file transfer link was provided which included 231 separate records concerning the Subject Property. Records provided included several Permit to Operate letters pertaining to the facility operating at the Subject Property, and are summarized below:

- Two 800,000 British thermal units per hour (BTU/hr) gas-fired incinerators from 1993;
- Multiple boilers from various years;

- Several spray booths from various years;
- Multiple processing and dipping tanks from various years,
- Several coating and drying systems from various years,
- Multiple vacuums and air pollution control systems;
- Several diesel-fueled emergency generators;
- Multiple drying ovens,
- An organic solvent storage system with a 5,500-gallon AST from 2004;
- A regenerative thermal oxidizer from 2018;
- an 8,000-gallon UST for storage of xylene from 1986 and 1990; and
- a 600,000 British thermal units per hour BTU/hr gas-fired explosive waste incinerator from 1982.

Many of these permits are expected for the level of industrial activity that occurs within the onsite facility. It is worth noting that the 8,000-gallon xylene UST is mentioned in the Phase I Environmental Site Assessment Questionnaire referenced in section 7.1 as having been removed and replaced by an AST due to a leak.

6.3.9 Oil and Gas Wells

According to the EDR GeoCheck® - Physical Setting Source Addendum located in the EDR Radius Report (Appendix B), there are no oil or gas wells located on the Subject Property and there are no wells located within one mile of the Subject Property. Information available on the California Department of Conservation, Geologic Energy Management Division's (CalGEM) website also confirms that there are no oil and gas wells located at the Subject Property and not within one mile of the Subject Property. There are no wells that appear to represent an environmental concern to the Subject Property.

6.4 Historical Records Review

Information on historical land use at the Subject Property and adjacent area was evaluated by reviewing historic aerial photographs, maps, and other documents. Summaries of these investigation findings are presented below.

6.4.1 Aerial Photographs

Northgate reviewed historic aerial photographs of the Subject Property from 1949, 1953, 1959, 1965, 1972, 1975, 1984, 1996, 2002, 2006, 2009, 2012, 2016, and 2020 obtained from EDR on June 14, 2024. Copies of the aerial photographs are provided in Appendix E (EDR, 2024d). A summary of the aerial photograph review is presented below.

Year: 1949	**Scale:** 1" = 500'	**Source:** USDA
Subject Property Description: The Subject Property is shown as agricultural land with row crops throughout the Subject Property.		
North:	Agricultural land and row crops.	
East:	Vacant, undeveloped land on both sides of Route 111.	
South:	Agricultural land and row crops.	
West:	Agricultural land and row crops.	

Year: 1953	**Scale:** 1" = 500'	**Source:** USDA
Subject Property Description: The Subject Property appears similar to the 1949 photograph.		
North:	Appears similar to the 1949 photograph.	
East:	Appears similar to the 1949 photograph.	
South:	Appears similar to the 1949 photograph.	
West:	Appears similar to the 1949 photograph.	

Year: 1959	**Scale:** 1" = 500'	**Source:** USDA
Subject Property Description: The Subject Property appears similar to the 1953 photograph, but with a small structure hidden in the trees in the northwest corner.		
North:	Appears similar to the 1953 photograph.	
East:	Appears similar to the 1953 photograph.	
South:	Appears similar to the 1953 photograph.	
West:	Appears similar to the 1953 photograph.	

Year: 1965	**Scale:** 1" = 500'	**Source:** USGS
Subject Property Description: The Subject Property appears similar to the 1959 photograph except that agricultural activities appear to have ceased and there appears to be dirt trails traversing the site.		
North:	Appears similar to the 1959 photograph.	
East:	Appears similar to the 1959 photograph with the addition of some small structures on the parcel adjacent to the Subject Property.	
South:	Appears similar to the 1959 photograph.	
West:	Appears similar to the 1959 photograph.	

Year: 1972	**Scale:** 1" = 500'	**Source:** USDA
Subject Property Description: Several buildings have been constructed on the Subject Property, along with several ASTs.		
North:	Appears similar to the 1965 photograph, except that agricultural activities appear to have ceased, and new subdivisions have been constructed farther north.	
East:	A mobile home subdivision now fronts Tyler Street.	
South:	Appears similar to the 1965 photograph.	
West:	Appears similar to the 1965 photograph, except that most agricultural activities have ceased.	

Year: 1975	**Scale:** 1" = 500'	**Source:** USGS
Subject Property Description: The Subject Property appears similar to the 1972 photograph.		
North:	Appears similar to the 1972 photograph.	
East:	Appears similar to the 1972 photograph.	
South:	Appears similar to the 1972 photograph.	
West:	Appears similar to the 1972 photograph.	

Year: 1984	**Scale:** 1" = 500'	**Source:** USDA
Subject Property Description: The facility that occupies the Subject Property has doubled in size with at least three new buildings expanding the campus southward, and four large ASTs.		
North:	Appears similar to the 1975 photograph, except for a new industrial/commercial development across Grapefruit Boulevard from the Subject Property.	
East:	Appears similar to the 1975 photograph.	
South:	Appears similar to the 1975 photograph.	
West:	Appears similar to the 1975 photograph.	

Year: 1996	**Scale:** 1" = 500'	**Source:** USGS/DOQQ
Subject Property Description: The facility residing on the Subject Property has continued to grow in size and has expanded towards the western border of the parcel, with new impoundments all along the eastern border.		
North:	Appears similar to the 1984 photograph.	
East:	Appears similar to the 1984 photograph.	
South:	Appears similar to the 1984 photograph.	
West:	Appears similar to the 1984 photograph.	

Year: 2002	**Scale:** 1" = 500'	**Source:** USGS/DOQQ
Subject Property Description: The Subject Property appears similar to the 1996 photograph, but now has two large impoundments along the southern border of the parcel.		
North:	Appears similar to the 1996 photograph.	
East:	Appears similar to the 1996 photograph.	
South:	Appears similar to the 1996 photograph, but with new commercial/industrial developments southeast of the Subject Parcel.	
West:	Appears similar to the 1996 photograph.	

Year: 2006	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Subject Property Description: The Subject Property appears similar to the 2002 photograph.		
North:	A majority of the parcels to the north are in the process of being developed into a new subdivision, and several paved and partially paved streets are present.	
East:	Appears similar to the 2002 photograph.	
South:	Appears similar to the 2002 photograph.	
West:	Appears similar to the 2002 photograph.	

Year: 2009	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Subject Property Description: The Subject Property appears similar to the 2006 photograph.		
North:	A large number of residential structures have been developed on the adjacent parcels.	
East:	Appears similar to the 2006 photograph.	
South:	Appears similar to the 2006 photograph.	
West:	Appears similar to the 2006 photograph.	

Year: 2012	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Subject Property Description: The Subject Property appears similar to the 2009 photograph.		
North:	Most of the northern parcels have been developed with residential structures.	
East:	Appears similar to the 2009 photograph.	
South:	Appears similar to the 2009 photograph.	
West:	Appears similar to the 2009 photograph.	

Year: 2016	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Subject Property Description: The Subject Property appears similar to the 2012 photograph.		
North:	All of the northern parcels have been developed with residential structures.	
East:	Appears similar to the 2012 photograph.	
South:	Appears similar to the 2012 photograph.	
West:	Appears similar to the 2012 photograph.	

Year: 2020	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Subject Property Description: The Subject Property appears similar to the 2016 photograph.		
North:	Appears similar to the 2016 photograph.	
East:	Appears similar to the 2016 photograph.	
South:	Appears similar to the 2016 photograph.	
West:	Appears similar to the 2016 photograph.	

In summary, historical aerial photographs of the Subject Property and adjacent areas indicate that the Subject Property consisted of agricultural land since at least 1949 and remained agricultural through the late 1960s. By 1972, the Subject Property has been partially developed with the current Armtec facility. Facility expansion is seen in the aerials from 1984, 1996, 2002 and 2006. The Subject Property has remained in the configuration seen in 2006 into the present.

Land use in the vicinity of the Subject Property has been primarily agricultural and vacant, undeveloped land since at least 1949 through the late 1960s. From 1972 onward, industrial, commercial, and residential developments begin to expand gradually throughout the parcels surrounding the Subject Property. The first residential development appears south of the Subject Property in 1972, as well as in the north. By 2016, north and south adjacent parcels have been developed, and parcels adjacent to the east and west remain vacant with the exception of a trailer park residential subdivision east of Tyler Street. The parcels adjacent to the east and west of the Subject Property remain mostly vacant to this day.

6.4.2 Sanborn Maps

Northgate requested Sanborn fire insurance maps for the Subject Property from EDR. However, maps covering the Subject Property and vicinity were not found by EDR on June 14, 2024. A copy of the Sanborn Map Report is provided in Appendix F (EDR, 2024e).

6.4.3 Topographic Maps

Northgate reviewed historic topographic maps for the Subject Property for the years 1904, 1941, 1943, 1947, 1956, 1972, 1975, 2012, 2015, 2018, and 2021 obtained from EDR on June 14, 2024. Copies of the topographic maps are provided in Appendix G (EDR, 2024f).

Quadrangle:	Indio	**Scale:** 1:125,000	**Series:** 30 Minute
1904:	The Subject Property and vicinity are shown as vacant land located between the towns of Coachella to the north and La Mesa to the southwest. Roads are mapped in the area, including adjacent to the east and west of the Subject property. A railroad line is also located east of the Subject Property. The topography in the vicinity of the Subject Property appears relatively flat, with no contours noted on or near the Subject Property.		
Quadrangle:	Coachella	**Scale:** 1:62,500	**Series:** 15 Minute
1941:	The Subject Property appears similar to the 1904 map, with the vicinity to the north experiencing residential and commercial development, and new roads are seen throughout the overall region surrounding the Subject Property.		
1943	The Subject Property and vicinity appear similar to the 1941 map.		
Quadrangle:	Coachella	**Scale:** 1:50,000	**Series:** 15 Minute
1947:	The Subject Property and vicinity appear similar to the 1943 map.		
Quadrangle:	Indio	**Scale:** 1:24,000	**Series:** 7.5 Minute
1956:	The Subject Property appears similar to the 1947 map, except that additional residential development has taken place west of the Subject Property, and a sewage disposal facility is mapped east of the Subject Property.		
1972	The Subject Property and vicinity no longer show partial vegetation as was depicted in the 1956 map, and a series of buildings and tanks now exist on the Subject Property. An expansion of residential development has taken place west of the Subject Property.		
1975	The property is depicted in an aerial photo, rather than a topo map, which shows the existing facility in its infancy with only 5 buildings. The surrounding vicinity is a mix of agricultural and residential development.		
2012	The Subject Property appears to contain an impoundment or water feature in the southeast corner and is surrounded by multiple commercial and residential developments.		
2015	The Subject Property and vicinity appear similar to the 2012 map.		
2018	The Subject Property and vicinity appear similar to the 2015 map.		
2021	The Subject Property and vicinity appear similar to the 2018 map.		

In summary, the Subject Property has been shown as undeveloped land located in the Coachella area since at least 1904, until 1941 when two structures are mapped on the Subject Property. During the same year, residential and commercial developments began to appear in the north. Currently, the subject property remains developed with an ordinance and countermeasure manufacturing facility, while residential and commercial developments remain in the vicinity.

6.4.4 City Directories

Northgate reviewed a summary of local city directory listings for the Subject Property available at approximate three- to five-year intervals from 1976 to 2020 obtained from EDR on July 9, 2024. A copy of the EDR city directory search, along with a tabular summary of the directory listings for the Subject Property, is provided in Appendix H (EDR, 2024g).

Directory listings for the Subject Property provided by EDR from 1976 through 2020 indicate that the Subject Property has been occupied by the current facility known as Armtec Defense Products Co, Inc. from 1976 to the present day. Listings in the vicinity of the Subject Property have typically included commercial and residential development throughout the period searched. Additional listings of potential environmental concern are presented in Section 6.1.2 above.

6.5 Building Permits

Northgate reviewed a summary of building permits for the Subject Property and adjacent properties obtained from EDR on June 14, 2024. The Subject Property had obtained a variety of permits including fire suppression infrastructure, plumbing work for wastewater discharges, irrigation for landscaping, construction of storage buildings, installation of an 8,000,000-BTU boiler, emergency generator installs, roof work, electrical upgrades, construction/upgrades to guard houses, office improvements/additions, and the installation of a xylene tank foundation. No permits were found for properties in the vicinity of the Subject Property. A copy of the Building Permit Report is provided in Appendix I (EDR, 2024h).

6.6 Property Tax Map

Northgate requested property tax maps for the Subject Property from EDR. The Subject Property, identified by APNs 778-390-008 and 778-420-013, was not covered by any current tax map. A copy of the Property Tax Map Report is provided in Appendix J (EDR, 2024i).

6.7 Previous Reports

Northgate was not provided with any previous reports prepared for the Subject Property.

6.8 Non-Scope Considerations

The following potential environmental concerns that are not within the scope of the ASTM Standard were evaluated as part of this assessment.

6.8.1 Floodplain Maps

Northgate viewed an online version of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for the City of Coachella, California, Panel 06065C2270H. According to the FIRM, the Subject Property is not mapped within any flood hazard area (FEMA, 2018).

6.8.2 Radon

The California Department of Health Services' (DHS') online list of indoor radon levels indicates that radon concentrations from 12 indoor air samples collected in zip code area 92236 were less than 4.0 picocuries per liter (pCi/L) (DHS, 2016). According to the EDR Radius Report (Appendix B), the federal EPA radon zone for Riverside County is Zone 2 (indoor average level less than or equal to 2 pCi/L and greater than or equal to 4 pCi/L).

The State of California Division of Drinking Water and Environmental Management maintains a database of radon test results indicating that out of one sample collected in zip code 92236, in the living area, first floor, it was below 4 pCi/L. The DHS and the EPA recommend that some form of mitigation be conducted for houses with indoor radon concentrations of 4 pCi/L or greater.

These results indicate that radon gas does not appear to constitute a significant environmental concern at the Subject Property.

7.0 INTERVIEWS

7.1 Owner Interview

Ms. Luz Rodriguez, Environmental Specialist at Armtec Defense Products Co., the Subject Property owner representative, completed a Phase I ESA Questionnaire (Appendix K). Ms. Rodriquez identified the facility as having several chemicals onsite with SDSs being available; but were not provided. Chemicals and hazardous materials are reported to be used, stored and disposed of within local state and federal regulations, and the facility is in the process of obtaining ISO 14001 certification. An 8,000-gallon UST containing xylene, was referenced as having been installed in 1992, and removed due to an unspecified leak. The UST was replaced with an AST.

7.2 Key Subject Property Manager Interview

Northgate did not interview any Subject Property managers, as the parcel is undeveloped.

7.3 Regulatory Agency Interview

Northgate did not interview any regulatory agency personnel as part of this Phase I ESA.

8.0 PHASE I ESA CONCLUSIONS AND RECOMMENDATIONS

8.1 Conclusions

This report presents the results of a Phase I ESA at a property located at 85901 Avenue 53 in Coachella, California. The Subject Property consists of two parcels totaling about 53 acres of developed and undeveloped land with a munitions manufacturing facility situated on one of the two parcels at the Subject Property. The Subject Property is identified by APNs 778-390-008 and 778-420-013 in Riverside County.

The purpose of the investigation is to identify the potential presence of RECs at the Subject Property. A REC refers to the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or under conditions that pose a material threat of a future release to the environment. The following REC was identified during this assessment:

- An 8,000-gallon UST containing xylenes was present at the facility from 1992 until its removal in 2001. According to records obtained from Riverside County's Department of Environmental Health, one or more leaks from the former UST were reported between 1998 and 2001. The UST and associated piping was subsequently removed and investigations indicated that residual concentrations of benzene, ethylbenzene, toluene and xylenes were present in soil and that impacted soil extended to groundwater. BTEX concentrations were noted to be below regulatory cleanup levels; however, groundwater was noted to be impacted with xylenes at concentrations that exceeded the California maximum contaminant level (MCL). The lack of closure documentation represents a REC.

An HREC refers to a previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities, without subjecting the property to any controls (for example AULs, or other property use limitations). The following HREC was identified during this assessment:

- The Armtec Facility has, both presently and in the past, operated settling ponds. A final pond closure plan from URS dated July 12, 2001, in conjunction with Cleanup and Abatement Order (CAO) No. 00-135, indicated that nitrocellulose contamination was present in the soil under the floor of the evaporation/percolation ponds, but at concentrations well below human health risk-based regulatory clean up levels. Nitrocellulose contamination was typically restricted to the upper 6 inches of soil beneath the ponds. According to the report, Armtec redesigned the manufacturing process where

washdown and process waster is recycled rather than discharged, thus the use of five out of seven ponds was discontinued. The report closes with a statement that Armtec intended to remove the soil and incinerate it onsite. Significant records documenting communication between Armtec and the Regional Water Quality Control Board for the Colorado River Basin (RWQCB) regarding monitoring and analysis of the ponds were present including a recission of the CAO and a no further action letter.

A CREC refers to a REC affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities, with hazardous substances or petroleum products allowed to remain in place subject to implementation of controls (for example, AULs or other property limitations). The following CREC was identified during this assessment:

- Northgate did not identify any CRECs associated with the Subject Property.

A BER is defined by ASTM E 1527-21 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of BER issues may involve addressing one or more non-scope considerations:

- Due to the nature of the facility residing on the Subject Property, manufacturing munitions including combustible ordnance and countermeasure products, for at least 52 years, the potential for subsurface contamination is highly probable.
- The Subject Property has consisted of agricultural land since at least 1949, and remained agricultural through the late 1960s, which can represent a potential for shallow subsurface impacts related to the potential historic use of pesticides, herbicides, and/or insecticides.

8.2 Recommendations

Northgate recommends that a limited Phase II ESA be performed in areas where development is planned in the southern parcel to evaluate potential impacts to shallow soil, and potential vapor encroachment concerns beneath proposed building footprints, based on the Subject Property land use and historical agricultural use.

9.0 REFERENCES

Contacts

- Air Quality Management District, South Coast – *Online resource - https://www.aqmd.gov/*
- California Department of Conservation, Geologic Energy Management Division – *Online resource*
- California Department of Toxic Substances Control EnviroStor Website – *Online resource*
- California Environmental Protection Agency Regulated Site Portal Website – *Online resource*
- City of Coachella – *Online request - https://coachella.seamlessdocs.com/f/PUBLICREQUESTFORM*
- Regional Water Quality Control Board – Colorado River Basin – info7@waterboards.ca.gov
- Riverside County, Department of Environmental Health – *https://rivcoeh.org/request-public-records*
- Riverside County Fire Department; - *https://www.fire.ca.gov/about/resources/california-public-records*
- State Water Resources Control Board GeoTracker Website – *Online resource*

Publications and Reports

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California Department of Water Resources (DWR), 2004. *Coachella Valley Groundwater Basin, Indio Subbasin*, California's Groundwater Bulletin 118. Last update February 27, 2004.

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_____, 2013. *Waste Discharge Requirements for Armtec Defense Products Company, Owner/Operator Class II Surface Impoundments, Order R7-2013-0063*.

Dibblee, Thomas W., 2008. *Geologic Map of the Palm Desert & Coachella 15 Minute Quadrangles, Riverside County, California*, edited by John A. Minch. First printing March 2008.

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_____, 2024b. *The EDR Radius Map™ Report with GeoCheck®, 85901 Avenue 53, Coachella, CA 92236.* June 14.

_____, 2024c. *EDR Vapor Encroachment Screen, 85901 Avenue 53, Coachella, CA 92236.* June 9.

_____, 2024d. *The EDR Aerial Photo Decade Package, 85901 Avenue 53, Coachella, CA 92236.* June 14.

_____, 2024e. *Certified Sanborn® Map Report, 85901 Avenue 53, Coachella, CA 92236.* June 14.

_____, 2024f. *The EDR Historical Topographic Map Report, 85901 Avenue 53, Coachella, CA 92236.* June 14.

_____, 2024g. *The EDR-City Directory Abstract, 85901 Avenue 53, Coachella, CA 92236.* November 27.

_____, 2024h. *The EDR Building Permit Report, 85901 Avenue 53, Coachella, CA 92236.* June 14.

_____, 2024i. *The EDR Property Tax Map Report, 85901 Avenue 53, Coachella, CA 92236.* June 14.

Federal Emergency Management Agency (FEMA), 2018. *Flood Insurance Rate Map (FIRM)* #06065C2270H *for the City of Coachella, California*. March 6.

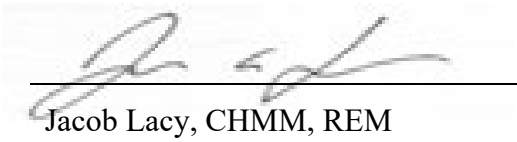
Raimi + Associates, 2014. *City of Coachella General Plan Update, Final EIR*, Section 4.5 – Geology and Soils. October 2014.

URS, 2001, *Proposed Final Pond Closure Plan-Armtec Facility*, July, 2001.

_____, 2002, *Draft Xylene UST Closure Report-Armtec Facility*, October 2002.

10.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Jacob Lacy, CHMM, REM
Environmental Professional



Derrick Willis
Principal

Qualifications of the Environmental Professional are provided in Appendix L.

FIGURES



Legend

Approximate Site Boundary

0 0.5 1 1.5 2 2.5 Miles



Figure 1

Subject Property Location Map

Armtec Facility Phase I ESA
85901 Avenue 53
Coachella, California

DATE	PROJECT NUMBER
5/26/2024	2162.01

Document Path: M:\ArcGIS\Packages\2162.01-Armtec_Terra_Nova\Figure1_2.aprx



Legend

All locations are Approximate

- Site Boundary
- Areas of Interest
- Riverside County Parcels
- Processed Water Tank
- Slurry Tank

PWRS = Process Water Recovery System
PDS = Peroxydisulfate

0 105 210 Feet

Figure 2

Subject Property Plan

Armtec Facility Phase I ESA
85901 Avenue 53
Coachella, CA

DATE	PROJECT NUMBER
7/11/2024	2162.01

north environmental

Document Path: M:\ArcGIS\Packages\2162.01-Armtec_Terra_Nova\Figure1_2.aprx

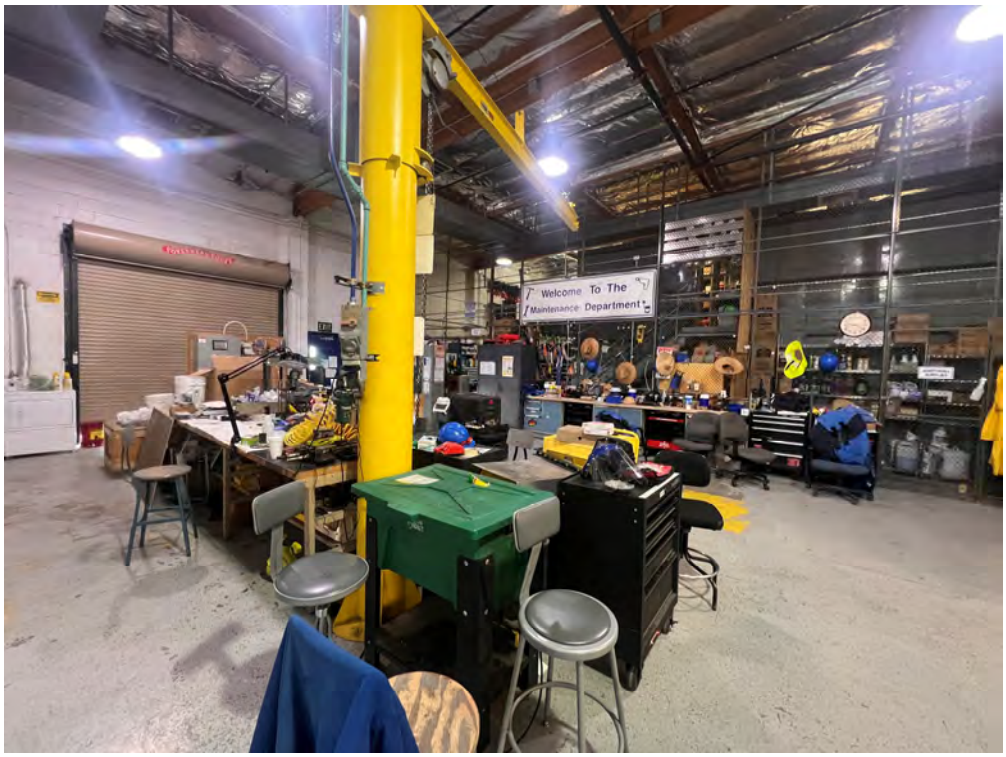
SUBJECT PROPERTY PHOTOGRAPHS



1. View of Building 1E and Building 1W. View facing south.



2. Typical view inside of admin buildings, Building 1E and 1W.



3. Maintenance shop, machine shop, tool room, and parts room located inside of Building 1W.



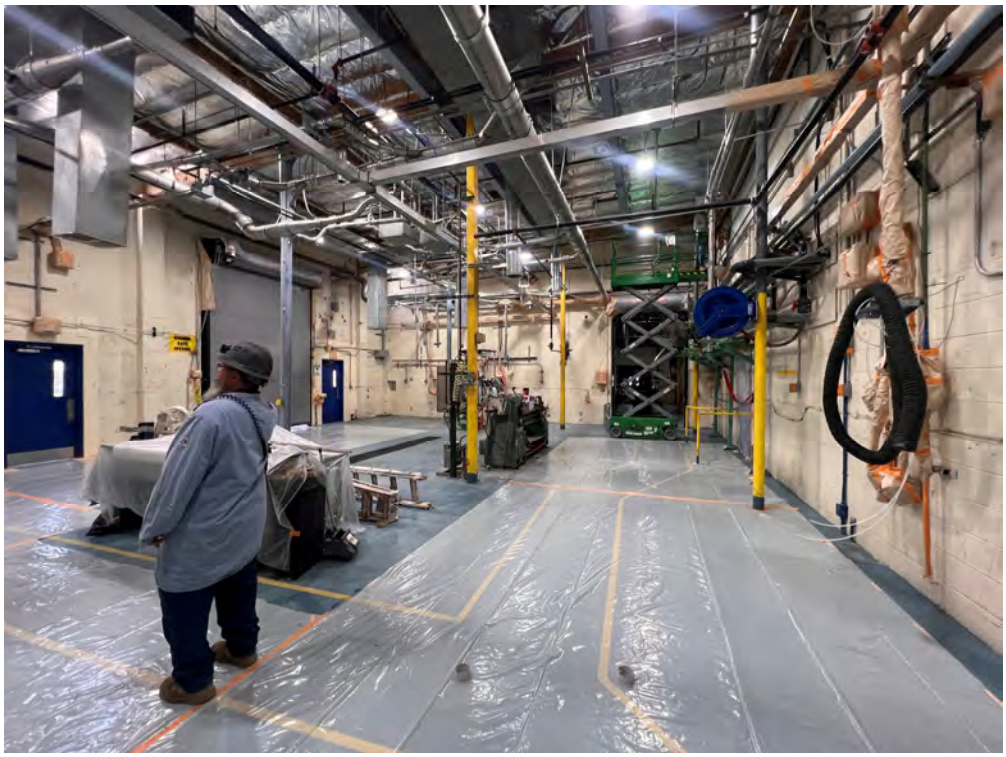
4. Exterior of Building 2, and south adjacent satellite waste accumulation area, and water treatment aboveground storage tanks (ASTs).



5. Typical view of 1 of 9 hazardous waste satellite accumulation area.



6. Typical view of a mold soak tank located in the exterior portion of Buildings 3, 6, and 9.



7. Typical view inside of Building 3, currently being remodeled.



8. View of exterior of Building 6 and of the dust collection tank, similarly used at Building 3 and 9. View facing east.



9. Transformers and associated electrical Building 17.



10. Hazardous waste storage area.



11. Buildings 11 through 11C used for storage of nitrocellulose.



12. Hazardous material storage area of refrigerated liquids in the middle and Building 9 to the right.



13. Typical 30,000-gallon slurry aboveground storage tanks (AST) shown to the left and water discharge system to the right.



14. View of WEPA area.



15. View of two incinerators located at the WEPA area.



16. View of the maintenance storage area. View facing south.



17. View of lined basins located in the southwestern portion of the Subject Property.



18. View of the stormwater containment pond #2 located along the eastern portion of the Subject Property.



19. View of the fuel point, which contained a 1,500-gallon diesel AST, a 1,500-gallon gasoline AST, propane tanks, nitrogen tanks, and waste fuel/oil drums.



20. View of the northern lot facing southwest.



21. Test area where products are tested.



22. Concrete manhole reportedly used for sampling agricultural runoff – view facing west.



23. Typical groundwater monitoring well located along southern boundary. View facing south.



24. Pole-mounted transformer located along the southern property boundary – view facing northwest.



25. North adjacent Avenue 53 followed by residential development – view facing north.



26. West adjacent soccer field. View facing west of the Subject Property.



27. West adjacent agricultural land. View facing southwest.



28. South adjacent agricultural land. View facing south.



29. East adjacent Tyler Street followed by residential development. View facing east.



30. East adjacent Tyler Street followed by a quarry separator facility. View facing east.

APPENDIX A

EDR ENVIRONMENTAL LIEN AND AUL SEARCH

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

Inquiry Number: 7682206.7
June 20, 2024

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel number and/or legal description
- search for ownership information
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for publicly available environmental encumbering instrument(s) filed on or after the recording of the current deed; between the recording of the current deed and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Riverside County Clerk
Riverside, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Grant Deed
Title is vested in:	ARMTEC DEFENSE PRODUCTS CO
Title received from:	ARMTEC DEFENSE PRODUCTS CO
Deed Dated	5/4/2010
Deed Recorded:	5/10/2010
Book:	NA
Page:	NA
Volume:	NA
Instrument	2010-0215023
Docket	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	ARMTEC DEFENSE PRODUCTS CO
Parcel # / Property Identifier:	778-420-013
Comments:	See Exhibit

Deed 2:

Type of Deed:	Parcel Merger Grant Deed
Title is vested in:	ARMTEC DEFENSE PRODUCTS CO
Title received from:	ARMTEC DEFENSE PRODUCTS CO
Deed Dated	5/4/2010
Deed Recorded:	5/10/2010
Book:	NA
Page:	NA
Volume:	NA
Instrument	2010-0215024
Docket	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	ARMTEC DEFENSE PRODUCTS CO
Parcel # / Property Identifier:	778-390-008
Comments:	See Exhibit

Deed Exhibit 1

DOC # 2010-0215023
05/10/2010 08:00A Fee:38.0
Page 1 of 2
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

RECORDING REQUESTED BY
Stewart Title of California - Riverside

WHEN RECORDED MAIL TO
AND MAIL TAX STATEMENTS TO

NAME ARMTEC DEFENSE PRODUCTS CO.

ADDRESS P.O. BOX 848

CITY
STATE & ZIP COACHELLA, CA 92236

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GRANT DEED

36

TITLE ORDER NO. 511227243 ESCROW NO. APN NO. 778-420-011 TRA: 012-027

THE UNDERSIGNED GRANTOR(s) DECLARE(s) No Consideration
DOCUMENTARY TRANSFER TAX is $ -0.00- CITY TAX $
☒ computed on full value of property conveyed, or ☐ computed on full value less value of liens or encumbrances remaining at time of sale,
☐ Unincorporated area: ☒ City of Coachella, and

T 042

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

ARMTECH DEFENSE PRODUCTS CO., A DELAWARE CORPORATION

hereby GRANT(s) to

ARMTECH DEFENSE PRODUCTS CO., A DELAWARE CORPORATION

the following described real property in the County of Riverside State of California:

Lots 1 and 2 and Lettered Lots A through G, inclusive of Tract Map No. 31533-2, as shown by map on file in Book 432, pages 55 through 58, inclusive of maps, Records of Riverside County, California.

ARMTECH DEFENSE PRODUCTS CO.
A DELAWARE CORPORATION

Dated May 4, 2010

BY: Robert R. Harris, President

BY:

State of California
County of Riverside
On May 4, 2010 before me, Maria de Jesus Montez, Notary Public, personally appeared Robert R. Harris, who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Maria De Jesus Montez (Seal)

MARIA DE JESUS MONTEZ
Commission # 1806421
Notary Public - California
Riverside County
My Comm. Expires Jul 13, 2012

SPL INC.

GOVERNMENT CODE 27361.7

I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary : María De Jesus Martez

Notary Identification Number : 1806421

Vender Identification Number : NNA1

County Where Bond Is Filed : Riverside

Date Commission Exp : Jul 13, 2012

Place of Execution : Los Angeles

SPL, Inc. as agent

DATE: 5 / 7 / 10

Signature

GOVERNMENT CODE 27361.7

I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary :

Notary Identification Number :

Vender Identification Number :

County Where Bond Is Filed :

Date Commission Exp :

Place of Execution :

SPL, Inc. as agent

DATE: / /

Signature

Deed Exhibit 2

DOC # 2010-0215024 Item 3.
05/10/2010 08:00A Fee:50.0
Page 1 of 6
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

RECORDING REQUESTED BY
Stewart Title of California - Riverside

WHEN RECORDED MAIL TO
AND MAIL TAX STATEMENTS TO

NAME ARMTEC DEFENSE PRODUCTS CO.

ADDRESS P.O. BOX 848

CITY
STATE & ZIP COACHELLA, CA 92236

S	R	U	PAGE	SIZE	DA	MISC	LONG	RFD	COPY
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M	A	L	465	426	PCOR	NCOR	SMF	NCHG	EXAM
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PARCEL MERGER NO. 2009-01 GRANT DEED

50

TITLE ORDER NO. 511227243 ESCROW NO. APN NO. ~~778-39-0006-6~~ / TRA 012-027
778-390-006-6

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
DOCUMENTARY TRANSFER TAX is $_____-0.00-_____ CITY TAX $_____
☒ computed on full value of property conveyed, or ☐ computed on full value less value of liens or encumbrances remaining at time of sale,
☐ Unincorporated area: ☒ City of Coachella_____, and

T 042

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

ARMTECH DEFENSE PRODUCTS CO., A DELAWARE CORPORATION

hereby GRANT(s) to

ARMTECH DEFENSE PRODUCTS CO., A DELAWARE CORPORATION

the following described real property in the County of Riverside State of California:

Legal description attached hereto as Exhibit A and shown on Exhibit B attached hereto.

This Grant Deed is given and recorded pursuant to Parcel Merger No. 2009-01 by the City of Coachella, attached hereto as Exhibit A and B.

ARMTECH DEFENSE PRODUCTS CO.
A DELAWARE CORPORATION

Dated May 4, 2010

BY: Robert R. Harris, President

BY:

State of California
County of Riverside
On May 4, 2010 before me Maria de Jesus Montez, Notary Public, personally appeared Robert R. Harris, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Maria De Jesus Montez (Seal)

MARIA DE JESUS MONTEZ
Commission # 1806421
Notary Public - California
Riverside County
My Comm. Expires Jul 13, 2012

SPL INC.

GOVERNMENT CODE 27361.7

I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary : Maria De Jesus Montez

Notary Identification Number : 1806421

Vender Identification Number : NONA1

County Where Bond Is Filed : Riverside

Date Commission Exp : Jul 13, 2012

Place of Execution : Los Angeles

SPL, Inc. as agent

DATE: 5 / 7 / 10

Signature

GOVERNMENT CODE 27361.7

I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary :

Notary Identification Number :

Vender Identification Number :

County Where Bond Is Filed :

Date Commission Exp :

Place of Execution :

SPL, Inc. as agent

DATE: _____/_____/_____

Signature

EXHIBIT "A"
LEGAL DESCRIPTION

ORIGINAL PARCEL "A"

A PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER (NE1/4 SE1/4) OF SECTION 8, TOWNSHIP 6 SOUTH, RANGE 8 EAST OF THE SAN BERNARDINO MERIDIAN, IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

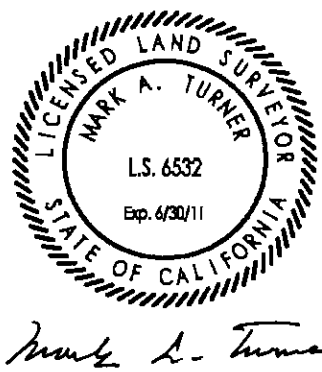
THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER (NE1/4 SE1/4) OF SECTION 8, TOWNSHIP 6 SOUTH, RANGE 8 EAST OF THE SAN BERNARDINO MERIDIAN, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

EXCEPT THAT PORTION CONVEYED TO THE COUNTY OF RIVERSIDE, CALIFORNIA, BY DOCUMENT RECORDED APRIL 17, 1959, AS INSTRUMENT NO. 32692, OF OFFICIAL RECORDS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

EXCEPT THAT PORTION CONVEYED TO THE CITY OF COACHELLA, CALIFORNIA, BY GRANT DEED RECORDED NOVEMBER 13, 1992, AS INSTRUMENT NO. 433289, OF OFFICIAL RECORDS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

EXCEPT THAT PORTION CONVEYED TO THE CITY OF COACHELLA, CALIFORNIA, BY GRANT DEED RECORDED SEPTEMBER 8, 2009, AS INSTRUMENT NO. 2009-0466562, OF OFFICIAL RECORDS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

SUBJECT TO ALL COVENANTS, RIGHTS, RIGHTS OF WAY AND EASEMENTS OF RECORD, IF ANY.



12/31/2009
04148_600_ORIGPCLA_X

EXHIBIT "A"
LEGAL DESCRIPTION

ORIGINAL PARCEL "B"

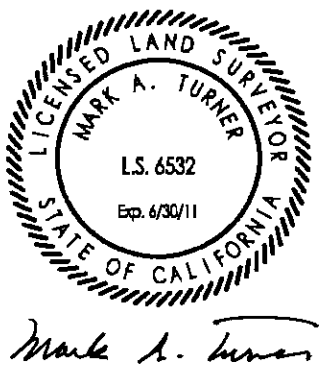
A PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER (NE1/4 SE1/4) OF SECTION 8, TOWNSHIP 6 SOUTH, RANGE 8 EAST OF THE SAN BERNARDINO MERIDIAN, IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF VACATED STREET RIGHT OF WAY (AVENUE 53), RECORDED SEPTEMBER 30, 2009, AS INSTRUMENT NO. 2009-0506511, OF OFFICIAL RECORDS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

EXCEPT THAT PORTION CONVEYED TO THE COUNTY OF RIVERSIDE, CALIFORNIA, BY DOCUMENT RECORDED APRIL 17, 1959, AS INSTRUMENT NO. 32692, OF OFFICIAL RECORDS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

EXCEPT THAT PORTION CONVEYED TO THE CITY OF COACHELLA, CALIFORNIA, BY GRANT DEED RECORDED SEPTEMBER 8, 2009, AS INSTRUMENT NO. 2009-0466562, OF OFFICIAL RECORDS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA;

SUBJECT TO ALL COVENANTS, RIGHTS, RIGHTS OF WAY AND EASEMENTS OF RECORD, IF ANY.



12/31/2009
04148_600_ORIGPCLB_X

EXHIBIT "A"

LEGAL DESCRIPTION
PARCEL MERGER NO. 2009-01

MERGED PARCEL "A"

A PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER (NE1/4 SE1/4) OF SECTION 8, TOWNSHIP 6 SOUTH, RANGE 8 EAST OF THE SAN BERNARDINO MERIDIAN, IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST ONE-QUARTER (E1/4) CORNER OF SECTION 8, TOWNSHIP 6 SOUTH, RANGE 8 EAST OF THE SAN BERNARDINO MERIDIAN, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, SAID POINT BEING ON THE CENTERLINE OF TYLER STREET; THENCE S88°51'33"W ALONG THE EAST-WEST ONE-QUARTER (E-W 1/4) SECTION LINE OF SAID SECTION 8, A DISTANCE OF 55.02 FEET TO THE WESTERLY LINE OF SAID TYLER STREET, SAID POINT BEING 55.00 FEET WESTERLY OF THE CENTERLINE OF SAID TYLER STREET, AS MEASURED AT RIGHT ANGLES THERETO, AND BEING ALSO THE **TRUE POINT OF BEGINNING**;

THENCE S00°21'05"W ALONG THE WESTERLY LINE OF SAID TYLER STREET, A DISTANCE OF 1328.69 FEET TO THE SOUTH ONE-SIXTEENTH (S1/16) SECTION LINE OF THE SOUTHEAST QUARTER (SE1/4) OF SAID SECTION 8;

THENCE S89°09'18"W ALONG SAID SOUTH ONE-SIXTEENTH (S1/16) SECTION LINE, A DISTANCE OF 1278.13 FEET TO THE SOUTHEAST ONE-SIXTEENTH (SE1/16) CORNER OF SAID SECTION 8;

THENCE N00°24'20"E ALONG THE EAST ONE-SIXTEENTH (E1/16) SECTION LINE OF THE SOUTHEAST QUARTER (SE1/4) OF SAID SECTION 8, A DISTANCE OF 1322.12 FEET TO SAID EAST-WEST ONE QUARTER (E-W 1/4) SECTION LINE, SAID POINT BEING ALSO THE CENTER-EAST ONE-SIXTEENTH (C-E1/16) CORNER OF SAID SECTION 8;

THENCE N88°51'33"E ALONG SAID EAST-WEST ONE-QUARTER (E-W 1/4) SECTION LINE, A DISTANCE OF 1277.03 FEET TO THE **POINT OF BEGINNING**.

SAID PARCEL CONTAINS 38.86 ACRES, MORE OR LESS, AS SHOWN ON THE ATTACHED **EXHIBIT "B"**, WHICH IS MADE A PART HEREOF BY THIS REFERENCE HEREON.

SUBJECT TO ALL COVENANTS, RIGHTS, RIGHTS OF WAY AND EASEMENTS OF RECORD, IF ANY.



Mark A. Turner

12/31/2009
04148_600_MERGEDPCLA_X

04148 12.31.09 CG

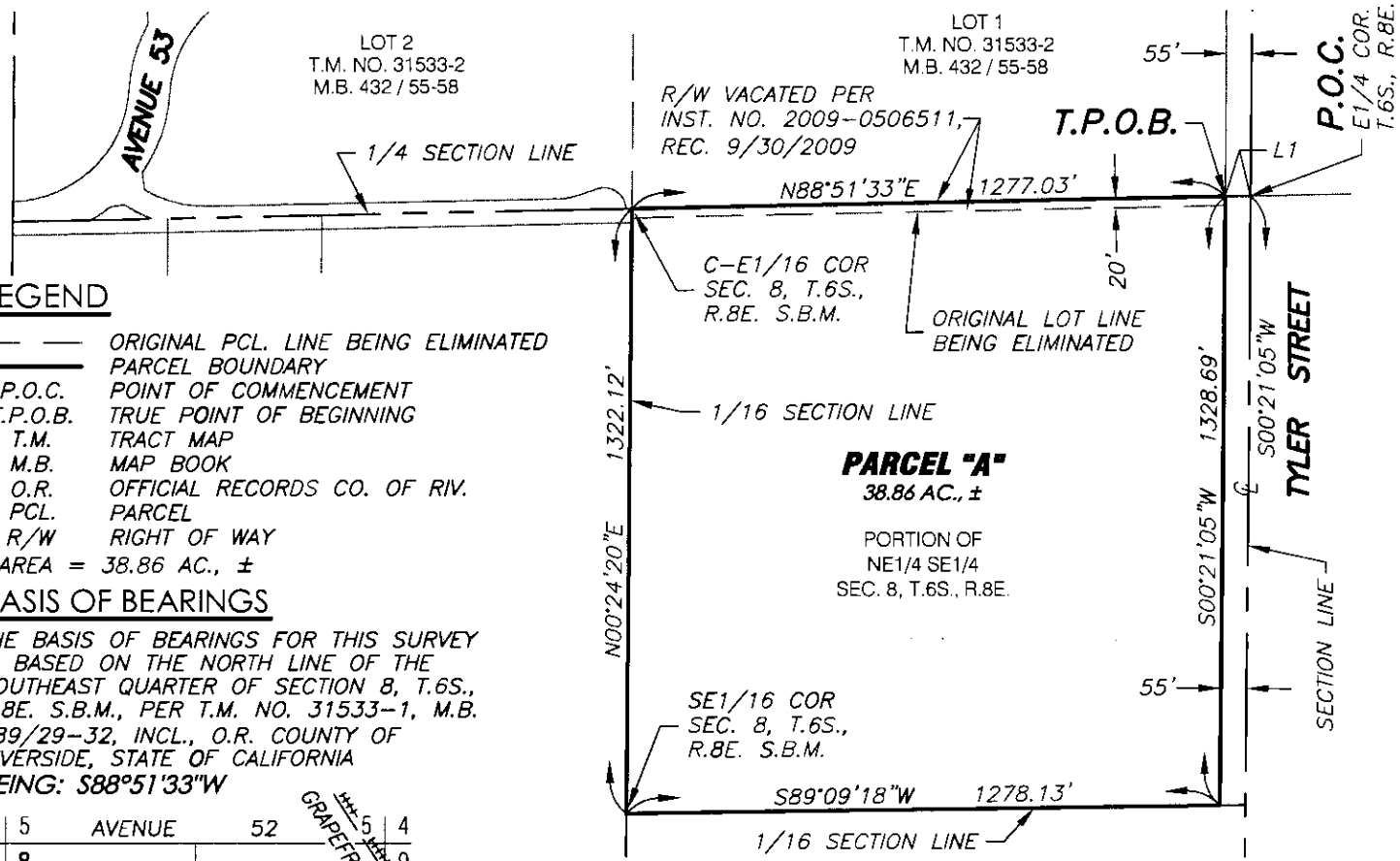
SCALE: 1" = 400'

EXHIBIT "B"

PLAT TO ACCOMPANY LEGAL DESCRIPTION
PARCEL MERGER NO. 2009-01

PAG 2

LINE TABLE		
LINE	BEARING	LENGTH
L1	S88°51'33"W	55.02'



LEGEND

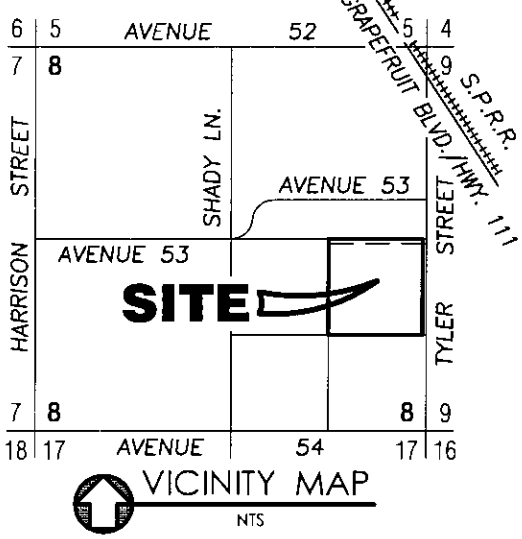
— —	ORIGINAL PCL. LINE BEING ELIMINATED
———	PARCEL BOUNDARY
P.O.C.	POINT OF COMMENCEMENT
T.P.O.B.	TRUE POINT OF BEGINNING
T.M.	TRACT MAP
M.B.	MAP BOOK
O.R.	OFFICIAL RECORDS CO. OF RIV.
PCL.	PARCEL
R/W	RIGHT OF WAY

AREA = 38.86 AC., ±

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE NORTH LINE OF THE SOUTHEAST QUARTER OF SECTION 8, T.6S., R.8E. S.B.M., PER T.M. NO. 31533-1, M.B. 389/29-32, INCL., O.R. COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

BEING: S88°51'33"W



VICINITY MAP
NTS



THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECTION, BASED ON RECORD INFORMATION.

MARK A. TURNER L.S. 6532
EXP. DATE: 06/30/11

PARCEL MERGER - CITY OF COACHELLA

Prepared by:

CVE
Coachella Valley Engineers

77-933 Las Montanas Road, Suite 101
Palm Desert, CA 92211
Tel: (760) 360-4200 Fax: (760) 360-4204

04148 — NO.
DECEMBER, 2009 — DATE

Owner:

ARMTEC DEFENSE PRODUCTS CO.
ATTN: MR. JAMES R. PALMER, V.P. & C.O.O.
85-901 AVENUE 53
COACHELLA, CA 92236
(760) 398-0143

Approved By:

TONY J. LUCERO
CITY ENGINEER
R.C.E. 24870 EXP. 12/31/11

1-5-10
DATE

APPENDIX B

EDR RADIUS MAP REPORT WITH GEOCHECK

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

Inquiry Number: 7682206.2s
June 14, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	232
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

85901 AVENUE 53
COACHELLA, CA 92236

COORDINATES

Latitude (North):	33.6620900 - 33° 39' 43.52''
Longitude (West):	116.1664900 - 116° 9' 59.36''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	577279.1
UTM Y (Meters):	3724808.5
Elevation:	89 ft. below sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50004965 INDIO, CA
Version Date:	2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200416
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
85901 AVENUE 53
COACHELLA, CA 92236

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ARMTEC DEFENSE TECHN	85901 AVENUE 53	CERS		TP
A2	ARMTEC DEFENSE PRODU	85901 AVE 53	CERS HAZ WASTE, CERS TANKS, CERS		TP
A3	ARMTEC DEFENSE PRODU	85901 AVENUE 53	NPDES		TP
A4	ARMTEC DEFENSE PRODU	85901 AVENUE 53	HWTS, HAZNET		TP
A5	ARMTEC DEFENSE PRODU	85-901 AVENUE 53	RCRA-LQG, UST, AST, SWEEPS UST, LDS, FINDS, ECHO,...		TP
A6	ARMTEC DEFENSE PROD.	85901 AVENUE 53	CHMIRS, EMI		TP
Reg	AUGUSTINE RESERVATIO		INDIAN RESERV	Same	4199, 0.795, WSW
A7	ARMTEC DEFENSE PROD	85 901 AVENUE 53	FINDS, ECHO	Higher	1 ft.
A8	ARMTEC DEFENSE PROD.	P.O. BOX 1110	EMI	Higher	1 ft.
A9	ARMTEC DEFENSE PROD.	85-901 AVENUE 53	DRYCLEANERS, EMI	Higher	1 ft.
B10	ARMTEC DEFENSE TECHN	85-901 AVE 53	TRIS	Higher	1 ft.
B11	ARMTEC DEFENSE PRODU		PFAS ECHO	Higher	1 ft.
12	PRECISION GUNITE COR	86010 TYLER LN	AST	Lower	309, 0.059, SE
13	VALLEY PRIDE INC	86120 TYLER LN	RCRA NonGen / NLR	Lower	708, 0.134, ESE
14	EBERHARD EQUIPMENT #	86100 AVENUE 54	CERS HAZ WASTE	Lower	1261, 0.239, SSE
C15	EL SUPER TORO LOCO #	52051 GRAPEFRUIT AVE	LUST, Cortese, CERS	Higher	1667, 0.316, North
C16	EL SUPER TORO LOCO #	52051 GRAPEFRUIT AVE	UST FINDER RELEASE	Higher	1667, 0.316, North
D17	KOOLCO	52112 INDUSTRIAL WAY	UST FINDER RELEASE	Higher	1827, 0.346, NNE
D18	GRAPEMAN FARMS COACH	52112 INDUSTRIAL WAY	LUST, CERS HAZ WASTE, Cortese, HIST CORTESE, CERS	Higher	1827, 0.346, NNE
E19	CIL/ WATER DISTRICT	85-820 COACHELIA HTS	Notify 65	Higher	2001, 0.379, North
E20	COACHELLA VALLEY WAT	85-820 COACHELLA HEI	Notify 65	Higher	2001, 0.379, North
F21	SANTA FE PACIFIC PIP	85989 AVENUE 52	CPS-SLIC	Higher	2100, 0.398, North
F22	COACHELLA VALLEY WAT	85995 AVENUE 52	UST FINDER RELEASE	Higher	2118, 0.401, North
F23	COACHELLA VALLEY WAT	85995 AVENUE 52	LUST, Cortese, Notify 65, CERS	Higher	2118, 0.401, North
24	IMPERIAL WESTERN PRO		LA CO LF METHANE	Lower	2207, 0.418, SE
25	WILBUR-ELLIS CO	53901 HWY 111 AT AVE	SEMS-ARCHIVE, RCRA NonGen / NLR, FINDS, ECHO	Lower	2301, 0.436, ESE
26	COACHELLA VALLEY WAT	85820 COACHELLA HEIG	LUST, Cortese, HIST CORTESE, CERS	Higher	2303, 0.436, NE
G27	CIRCLE K / FORMER	51989 GRAPEFRUIT BLV	LUST, Cortese, HIST CORTESE, CERS	Higher	2331, 0.441, North
G28	CIRCLE K / FORMER	51989 GRAPEFRUIT BLV	UST FINDER RELEASE	Higher	2331, 0.441, North
29	OCCIDENTIAL CHEMICAL	53901 HIGHWAY 111 AT	ENVIROSTOR	Lower	3010, 0.570, ESE
30	RANCHO COACHELLA PRO	54000 HIGHWAY 111	Notify 65	Lower	3400, 0.644, ESE
31	BOBBY DUKE SCHOOL CO	85-358 BAGDAD AVENUE	ENVIROSTOR, SCH	Higher	4115, 0.779, NNW
32	STORE #330	85-101 AVENUE 52	Notify 65	Higher	4123, 0.781, NW
H33	EAST COACHELLA ELEME	NORTH OF AVENUE 52	ENVIROSTOR, SCH	Higher	4377, 0.829, NW
H34	COACHELLA EAST ELEME	AVENUE 52/WHITEWATER	ENVIROSTOR, SCH	Higher	4377, 0.829, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ARMTEC DEFENSE TECHN 85901 AVENUE 53 COACHELLA, CA 92236	CERS	N/A
ARMTEC DEFENSE PRODU 85901 AVE 53 COACHELLA, CA 92236	CERS HAZ WASTE CERS TANKS CERS	N/A
ARMTEC DEFENSE PRODU 85901 AVENUE 53 COACHELLA, CA 92253	NPDES	N/A
ARMTEC DEFENSE PRODU 85901 AVENUE 53 COACHELLA, CA 92236	HWTS HAZNET GEPAID: CAD008252157	N/A
ARMTEC DEFENSE PRODU 85-901 AVENUE 53 COACHELLA, CA 92236	RCRA-LQG EPA ID:: CAD008252157 UST Database: UST, Date of Government Version: 03/04/2024 Facility Id: 100 AST Database: AST, Date of Government Version: 07/06/2016 SWEEPS UST Status: A Tank Status: A Comp Number: 20 LDS Global Id: L10007426352 Status: Open - Operating FINDS Registry ID:: 110064261258 Registry ID:: 110070747096 Registry ID:: 110000479107 ECHO Registry ID: 110000479107 ENF Status: Historical Status: Historical Facility Id: 206368 WDS	CAD008252157

EXECUTIVE SUMMARY

Facility Status: A
Facility Id: 7A332005012

CIWQS
CERS
E MANIFEST

ARMTEC DEFENSE PROD.
85901 AVENUE 53
COACHELLA, CA 92236

CHMIRS N/A
OES Incident Number: 012040
Date Completed: 27-JUL-90

EMI
Facility Id: 74408

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Properties
INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database
CA FID UST ---- Facility Inventory Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines

EXECUTIVE SUMMARY

MINES MRDS - Mineral Resources Data System
DOCKET HWC - Hazardous Waste Compliance Docket Listing
UXO - Unexploded Ordnance Sites
FUELS PROGRAM - EPA Fuels Program Registered Listing
PFAS NPL - Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES - Federal Sites PFAS Information
PFAS TRIS - List of PFAS Added to the TRI
PFAS TSCA - PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST - PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR - PFAS Contamination Site Location Listing
PFAS WQP - Ambient Environmental Sampling for PFAS
PFAS NPDES - Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAIN - Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT - All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC - Aqueous Foam Related Incidents Listing
BIOSOLIDS - ICIS-NPDES Biosolids Facility Data
PFAS - PFAS Investigation Site Location Listing
AQUEOUS FOAM - Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CHROME PLATING - Chrome Plating Facilities Listing
CUPA Listings - CUPA Resources List
Financial Assurance - Financial Assurance Information Listing
ICE - Inspection, Compliance and Enforcement
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
HAZMAT - Hazardous Material Facilities
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
UST FINDER - UST Finder Database
PFAS PROJECT - NORTHEASTERN UNIVERSITY PFAS PROJECT

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/22/2024 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILBUR-ELLIS CO Site ID: 0901422 EPA Id: CAD051971075	***53901 HWY 111 AT AVE***	***ESE 1/4 - 1/2 (0.436 mi.)***	***25***	***204***

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk

characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/22/2024 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOBBY DUKE SCHOOL CO	***85-358 BAGDAD AVENUE***	***NNW 1/2 - 1 (0.779 mi.)***	***31***	***221***
Facility Id: 60000155				
Status: Inactive - Withdrawn				
EAST COACHELLA ELEME	***NORTH OF AVENUE 52***	***NW 1/2 - 1 (0.829 mi.)***	***H33***	***225***
Facility Id: 33010077				
Status: No Further Action				
COACHELLA EAST ELEME	***AVENUE 52/WHITEWATER***	***NW 1/2 - 1 (0.829 mi.)***	***H34***	***228***
Facility Id: 33010053				
Status: No Further Action				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OCCIDENTIAL CHEMICAL	53901 HIGHWAY 111 AT	ESE 1/2 - 1 (0.570 mi.)	29	220
Facility Id: 33280088				
Status: Refer: Other Agency				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL SUPER TORO LOCO #	***52051 GRAPEFRUIT AVE***	***N 1/4 - 1/2 (0.316 mi.)***	***C15***	***184***
Database: LUST, Date of Government Version: 03/04/2024				
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/04/2024				
Status: Completed - Case Closed				
Facility Id: 200420349				
Global Id: T0606555198				
Facility Status: 9				
GRAPEMAN FARMS COACH	***52112 INDUSTRIAL WAY***	***NNE 1/4 - 1/2 (0.346 mi.)***	***D18***	***189***
Database: LUST REG 7, Date of Government Version: 02/26/2004				
Database: LUST, Date of Government Version: 03/04/2024				
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/04/2024				
Status: Completed - Case Closed				
Status: 9 - Case Closed				
Facility Id: 94340				
Global Id: T0606500956				
Facility Status: 9				
Global ID: T0606500956				
COACHELLA VALLEY WAT	***85995 AVENUE 52***	***N 1/4 - 1/2 (0.401 mi.)***	***F23***	***200***
Database: LUST, Date of Government Version: 03/04/2024				
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/04/2024				

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Facility Id: 201033973
Global Id: T10000002057
Facility Status: 9

COACHELLA VALLEY WAT ***85820 COACHELLA HEIG*** ***NE 1/4 - 1/2 (0.436 mi.)*** ***26*** ***208***
Database: LUST REG 7, Date of Government Version: 02/26/2004
Database: LUST, Date of Government Version: 03/04/2024
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/04/2024
Status: Completed - Case Closed
Status: 9 - Case Closed
Facility Id: 89651
Facility Id: 200218179
Global Id: T060657197
Global Id: T0606500943
Facility Status: 9
Global ID: T0606500943

CIRCLE K / FORMER ***51989 GRAPEFRUIT BLV*** ***N 1/4 - 1/2 (0.441 mi.)*** ***G27*** ***215***
Database: LUST REG 7, Date of Government Version: 02/26/2004
Database: LUST, Date of Government Version: 03/04/2024
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/04/2024
Status: Completed - Case Closed
Status: 9 - Case Closed
Facility Id: 93587
Global Id: T0606500955
Facility Status: 9
Global ID: T0606500955

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SANTA FE PACIFIC PIP	85989 AVENUE 52	N 1/4 - 1/2 (0.398 mi.)	F21	198

Database: CPS-SLIC, Date of Government Version: 03/04/2024
Database: SLIC REG 7, Date of Government Version: 11/24/2004
Facility Status: Open - Site Assessment
Facility Status: A
Global Id: SL0606535159

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRECISION GUNITE COR Database: AST, Date of Government Version: 07/06/2016	86010 TYLER LN	SE 0 - 1/8 (0.059 mi.)	12	179

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/16/2024 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EBERHARD EQUIPMENT #	86100 AVENUE 54	SSE 1/8 - 1/4 (0.239 mi.)	14	182

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VALLEY PRIDE INC EPA ID:: CAL000404280	86120 TYLER LN	ESE 1/8 - 1/4 (0.134 mi.)	13	180

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2022 has revealed that there is 1 TRIS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMTEC DEFENSE TECHN TRIS ID: 92236RMTCD85901	85-901 AVE 53	0 - 1/8 (0.000 mi.)	B10	164

EXECUTIVE SUMMARY

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUGUSTINE RESERVATIO		WSW 1/2 - 1 (0.795 mi.)	0	154

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/09/2024 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMTEC DEFENSE PROD	***85 901 AVENUE 53***	***0 - 1/8 (0.000 mi.)***	***A7***	***155***
Registry ID:: 110070089179				

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 12/17/2023 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMTEC DEFENSE PROD	***85 901 AVENUE 53***	***0 - 1/8 (0.000 mi.)***	***A7***	***155***
Registry ID: 110070089179				

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 12/28/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMTEC DEFENSE PRODU		0 - 1/8 (0.000 mi.)	B11	177

EXECUTIVE SUMMARY

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/19/2024 has revealed that there are 5 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL SUPER TORO LOCO #	***52051 GRAPEFRUIT AVE***	***N 1/4 - 1/2 (0.316 mi.)***	***C15***	***184***
Cleanup Status: COMPLETED - CASE CLOSED				
GRAPEMAN FARMS COACH	***52112 INDUSTRIAL WAY***	***NNE 1/4 - 1/2 (0.346 mi.)***	***D18***	***189***
Cleanup Status: COMPLETED - CASE CLOSED				
COACHELLA VALLEY WAT	***85995 AVENUE 52***	***N 1/4 - 1/2 (0.401 mi.)***	***F23***	***200***
Cleanup Status: COMPLETED - CASE CLOSED				
COACHELLA VALLEY WAT	***85820 COACHELLA HEIG***	***NE 1/4 - 1/2 (0.436 mi.)***	***26***	***208***
Cleanup Status: COMPLETED - CASE CLOSED				
CIRCLE K / FORMER	***51989 GRAPEFRUIT BLV***	***N 1/4 - 1/2 (0.441 mi.)***	***G27***	***215***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMTEC DEFENSE PROD.	***85-901 AVENUE 53***	***0 - 1/8 (0.000 mi.)***	***A9***	***156***
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 02/20/2024				

EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2021 has revealed that there are 2 EMI sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMTEC DEFENSE PROD.	P.O. BOX 1110	0 - 1/8 (0.000 mi.)	A8	155
Facility Id: 74408				
ARMTEC DEFENSE PROD.	***85-901 AVENUE 53***	***0 - 1/8 (0.000 mi.)***	***A9***	***156***
Facility Id: 74408				
Facility Id: 192155				

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAPEMAN FARMS COACH Reg Id: 7T2236026	***52112 INDUSTRIAL WAY***	***NNE 1/4 - 1/2 (0.346 mi.)***	***D18***	***189***
COACHELLA VALLEY WAT Reg Id: 7T2236013	***85820 COACHELLA HEIG***	***NE 1/4 - 1/2 (0.436 mi.)***	***26***	***208***
CIRCLE K / FORMER Reg Id: 7T2236025	***51989 GRAPEFRUIT BLV***	***N 1/4 - 1/2 (0.441 mi.)***	***G27***	***215***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 03/08/2024 has revealed that there are 5 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIL/ WATER DISTRICT	85-820 COACHELIA HTS	N 1/4 - 1/2 (0.379 mi.)	E19	197
COACHELLA VALLEY WAT	85-820 COACHELLA HEI	N 1/4 - 1/2 (0.379 mi.)	E20	197
COACHELLA VALLEY WAT	***85995 AVENUE 52***	***N 1/4 - 1/2 (0.401 mi.)***	***F23***	***200***
STORE #330	85-101 AVENUE 52	NW 1/2 - 1 (0.781 mi.)	32	225
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
RANCHO COACHELLA PRO	54000 HIGHWAY 111	ESE 1/2 - 1 (0.644 mi.)	30	221

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 4 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

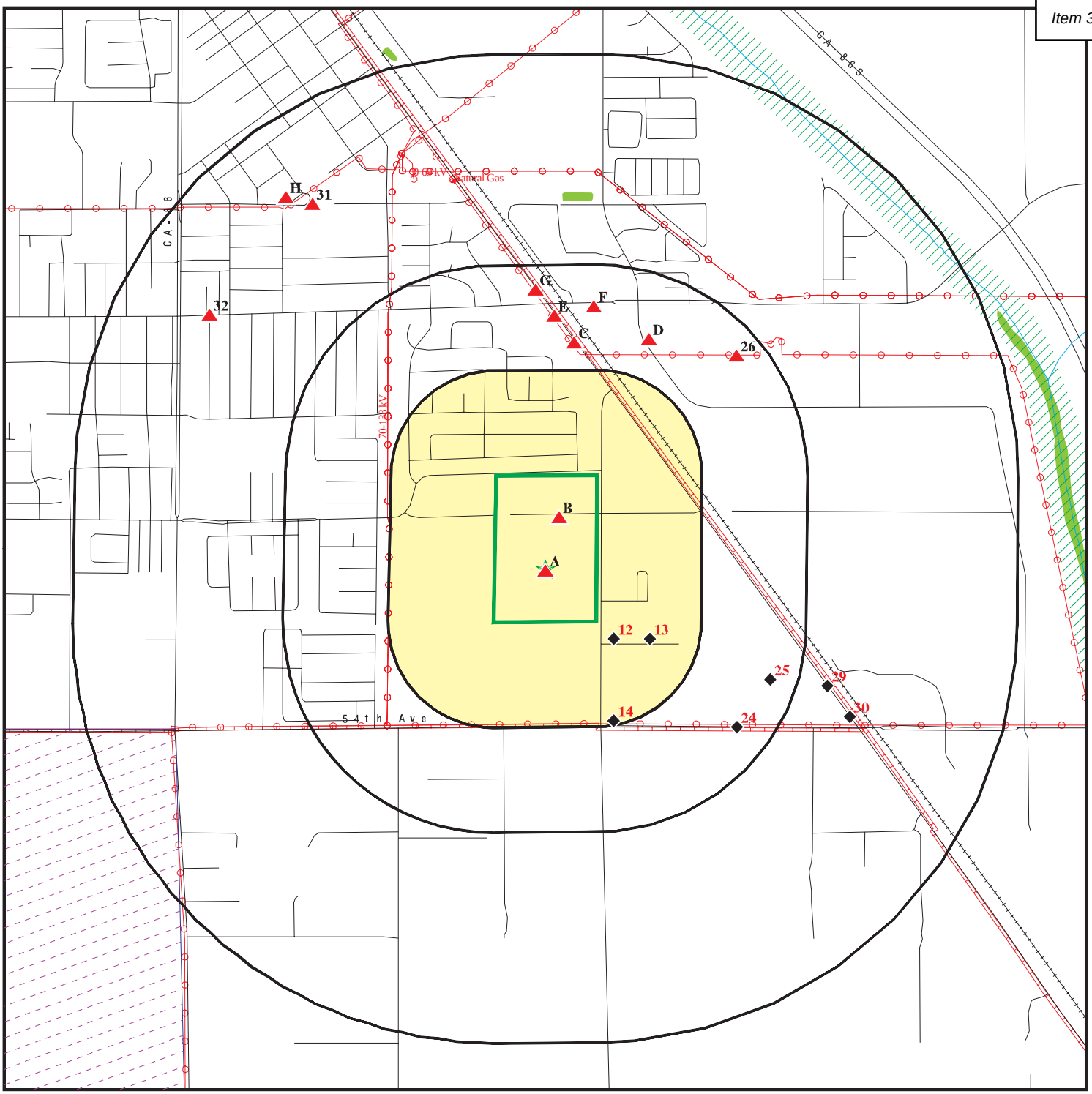
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL SUPER TORO LOCO #	52051 GRAPEFRUIT AVE	N 1/4 - 1/2 (0.316 mi.)	C16	187
KOOLCO	52112 INDUSTRIAL WAY	NNE 1/4 - 1/2 (0.346 mi.)	D17	188
COACHELLA VALLEY WAT	85995 AVENUE 52	N 1/4 - 1/2 (0.401 mi.)	F22	199
CIRCLE K / FORMER	51989 GRAPEFRUIT BLV	N 1/4 - 1/2 (0.441 mi.)	G28	219

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

Site Name	Database(s)
THERMAL OPERATING COMPANY, LLC	CERS HAZ WASTE
	CDL
	CDL
	CDL
	CDL
PASHA NO.1 SHOP OF RICHARD BAGDASA	CPS-SLIC

OVERVIEW MAP - 7682206.2S



0 1/4 1/2 1 Miles

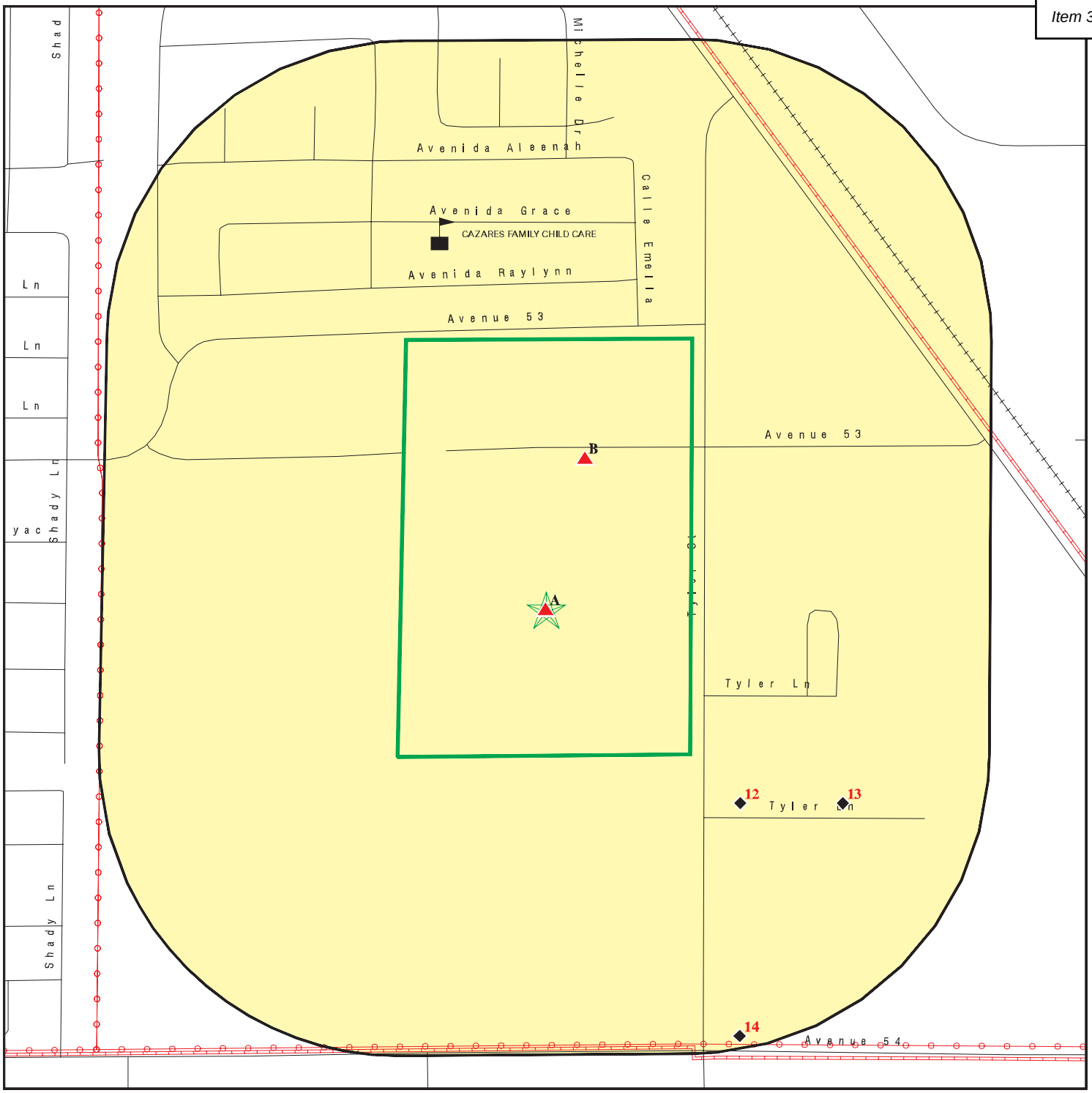
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 85901 AVENUE 53	CLIENT: Northgate Env. Management, Inc.
ADDRESS: 85901 AVENUE 53 COACHELLA CA 92236	CONTACT: Jacob Lacy
LAT/LONG: 33.66209 / 116.16649	INQUIRY #: 7682206.2s DATE: June 14, 2024 2:07 pm

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DETAIL MAP - 7682206.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 85901 AVENUE 53	CLIENT: Northgate Env. Management, Inc.
ADDRESS: 85901 AVENUE 53 COACHELLA CA 92236	CONTACT: Jacob Lacy
LAT/LONG: 33.66209 / 116.16649	INQUIRY #: 7682206.2s DATE: June 14, 2024 2:10 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250	1	0	0	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	4	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	5	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	0	0	NR	NR	NR	1
AST	0.250	1	1	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250	1	0	1	NR	NR	NR	2
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	0	0	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250	1	0	0	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001	1	0	NR	NR	NR	NR	1
LDS	0.001	1	0	NR	NR	NR	NR	1
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		1	NR	NR	NR	NR	1
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	1	NR	1
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
ECHO	0.001	1	1	NR	NR	NR	NR	2
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		1	0	NR	NR	NR	1
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		0	0	5	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
EMI	0.001	1	2	NR	NR	NR	NR	3
ENF	0.001	1	0	NR	NR	NR	NR	1
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWTS	0.001	1	0	NR	NR	NR	NR	1
HAZNET	0.001	1	0	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	1	0	NR	NR	NR	NR	1
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	3	2	NR	5
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001	1	0	NR	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	0	NR	NR	NR	NR	1
CERS	0.001	3	0	NR	NR	NR	NR	3
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	4	NR	NR	4
UST FINDER	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
E MANIFEST	0.250	1	0	0	NR	NR	NR	1
PFAS PROJECT	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		21	8	2	22	7	0	60

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

A1
Target
Property

ARMTEC DEFENSE TECHNOLOGIES
85901 AVENUE 53
COACHELLA, CA 92236

CERS **S123533855**
N/A

Site 1 of 9 in cluster A

Actual:
-89 ft.

CERS:

Name:	ARMTEC DEFENSE TECHNOLOGIES
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	6881
CERS ID:	110000479107
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	WILLIAM A MAITLAND
Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	85901 AVENUE 53
Affiliation City:	COACHELLA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Company
Entity Name:	TRANSDIGM INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,

Affiliation Type Desc:	Company Official
Entity Name:	william Maitland
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT FARMER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JENNIE SNYDER CO RIV BASIN RWQCB REGN
Entity Title:	Not reported
Affiliation Address:	73720 FRED WARING DR STE 100
Affiliation City:	PALMDESERT

ARMTEC DEFENSE TECHNOLOGIES (Continued) **S123533855**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: WILLIAM MAITLAND
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92236
Affiliation Phone: 7605415628,

Affiliation Type Desc: Technical Contact
Entity Name: WILLIAM MAITLAND
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92236
Affiliation Phone: 7605415628,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT L FARMER
Entity Title: DIRECTOR, EH&S
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: ROBERT L FRMR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: ARMTEC DEFENSE TECHNOLOGIES
Address: 85901 AVENUE 53
City,State,Zip: COACHELLA, CA 92236
Site ID: 6881
CERS ID: 92236RMTCD85901
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: WILLIAM A MAITLAND
Entity Title: ENVIRONMENTAL ENGINEER
Affiliation Address: 85901 AVENUE 53

ARMTEC DEFENSE TECHNOLOGIES (Continued) **S123533855**

Affiliation City:	COACHELLA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TRANSDIGM INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	william Maitland
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT FARMER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JENNIE SNYDER CO RIV BASIN RWQCB REGN
Entity Title:	Not reported
Affiliation Address:	73720 FRED WARING DR STE 100
Affiliation City:	PALMDESERT
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	WILLIAM MAITLAND
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	7605415628,
Affiliation Type Desc:	Technical Contact

ARMTEC DEFENSE TECHNOLOGIES (Continued) **S123533855**

Entity Name:	WILLIAM MAITLAND
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	7605415628,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ROBERT L FARMER
Entity Title:	DIRECTOR, EH&S
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT L FRMR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

A2 Target Property **ARMTEC DEFENSE PRODUCTS INC**
85901 AVE 53
COACHELLA, CA 92236

CERS HAZ WASTE **S123514918**
CERS TANKS **N/A**
CERS

Site 2 of 9 in cluster A

Actual: -89 ft.

CERS HAZ WASTE:

Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430
CERS ID:	10152951
CERS Description:	RCRA LQ HW Generator
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430
CERS ID:	10152951
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430
CERS ID:	10152951

ARMTEC DEFENSE PRODUCTS INC (Continued) **S123514918**

CERS Description: Aboveground Petroleum Storage

CERS:
Name: ARMTEC DEFENSE PRODUCTS INC
Address: 85901 AVE 53
City,State,Zip: COACHELLA, CA 92236
Site ID: 385430
CERS ID: 10152951
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 385430
Site Name: ARMTEC DEFENSE PRODUCTS INC
Violation Date: 07-08-2008
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/08/2009.
Violation Division: Riverside County Department of Env Health
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection and training with John
Eval Division: Riverside County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2012
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health

ARMTEC DEFENSE PRODUCTS INC (Continued) **S123514918**

Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2008
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Martha Bahia
Eval Division: Riverside County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection and training with John
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection and drive back to office
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Enforcement Action:
Site ID: 385430
Site Name: ARMTEC DEFENSE PRODUCTS INC
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 07-08-2008
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HWLQG
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Armtec Defense Products Co

ARMTEC DEFENSE PRODUCTS INC (Continued) **S123514918**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 398-0143,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,
Affiliation Type Desc:	Identification Signer
Entity Name:	william Maitland
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	William Maitland
Entity Title:	Not reported
Affiliation Address:	PO Box 848
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	TransDigm Group Inc
Entity Title:	Not reported
Affiliation Address:	1301 East 9th Street
Affiliation City:	Cleveland OH
Affiliation State:	OH
Affiliation Country:	United States
Affiliation Zip:	44114
Affiliation Phone:	(216) 706-2960,
Affiliation Type Desc:	Document Preparer
Entity Name:	William Maitland
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

ARMTEC DEFENSE PRODUCTS INC (Continued) **S123514918**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	85901 AVE 53
Affiliation City:	COACHELLA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92236-2607
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	ARMTEC DEFENSE PRODUCTS INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

A3 **ARMTEC DEFENSE PRODUCTS COMPANY** **NPDES** **S127474623**
Target **85901 AVENUE 53** **N/A**
Property **COACHELLA, CA 92253**

Site 3 of 9 in cluster A

Actual:
-89 ft.

NPDES:

Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92253
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	7 33NNA001445
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	NONA Submitted
Status Date:	03/17/2021
Operator Name:	Armtec Defense Products Company
Operator Address:	85901 avenue 53
Operator City:	Coachella
Operator State:	California
Operator Zip:	92253

A4 **ARMTEC DEFENSE PRODUCTS INC** **HWTS** **S112999106**
Target **85901 AVENUE 53** **HAZNET** **N/A**
Property **COACHELLA, CA 92236**

Site 4 of 9 in cluster A

Actual:
-89 ft.

HWTS:

Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85901 AVENUE 53
Address 2:	Not reported
City,State,Zip:	COACHELLA, CA 92236
EPA ID:	CAD008252157
Inactive Date:	Not reported
Create Date:	07/23/1982
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	85901 AVENUE 53
Mailing Address 2:	Not reported
Mailing City,State,Zip:	COACHELLA, CA 922360000
Owner Name:	ESTERLINE CORPORATION
Owner Address:	TRANSDIGM INC 1301 EAST 9TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	CLEVELAND, OH 441140000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	WILLIAM MAITLAND
Contact Address:	85901 AVENUE 53
Contact Address 2:	Not reported
City,State,Zip:	COACHELLA, CA 92236
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.672438
Longitude:	-116.170645

NAICS:

EPA ID:	CAD008252157
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	332995
NAICS Description:	Other Ordnance and Accessories Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	Not reported
Facility Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Facility Address:	85901 AVENUE 53
Facility Address 2:	Not reported
Facility City:	COACHELLA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	922360000

HAZNET:

Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85901 AVENUE 53
Address 2:	Not reported
City,State,Zip:	COACHELLA, CA 922360000
Contact:	WILLIAM MAITLAND

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Telephone:	7605415628
Mailing Name:	Not reported
Mailing Address:	85901 AVENUE 53
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.325
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.13829
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	OHD980613541
CA Waste Code:	172 - Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.5615
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	OHD048415665
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0525
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	AZR000520304
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3211
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Tons: 0.015

Year: 2021
Gepaid: CAD008252157
TSD EPA ID: CAD008488025
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 156.58884

Year: 2021
Gepaid: CAD008252157
TSD EPA ID: ARD069748192
CA Waste Code: 352 - Other organic solids
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.005

Year: 2021
Gepaid: CAD008252157
TSD EPA ID: CAD097030993
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: H070 -
Tons: 0.45436

Click this hyperlink while viewing on your computer to access
797 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2021
Gen EPA ID: CAD008252157

Shipment Date: 9/9/2020
Creation Date: 10/14/2020
Receipt Date: 9/11/2020
Manifest ID: 015295730FLE
Trans EPA ID: CAR000241448
Trans Name: ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008488025
Trans Name: PHIBRO-TECH INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code: D002
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 20.01668
Waste Quantity: 4800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date:	9/4/2020
Creation Date:	10/13/2020
Receipt Date:	9/5/2020
Manifest ID:	017525745JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.13511
Waste Quantity:	4109
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/30/2020
Creation Date:	10/29/2020
Receipt Date:	10/1/2020
Manifest ID:	021866943JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.09758
Waste Quantity:	4100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/28/2020
Creation Date:	10/29/2020
Receipt Date:	9/29/2020
Manifest ID:	015295530FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/24/2020
Creation Date:	10/27/2020
Receipt Date:	9/24/2020
Manifest ID:	021866902JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/22/2020
Creation Date:	10/27/2020
Receipt Date:	9/22/2020
Manifest ID:	015295529FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury,

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

	molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/2/2020
Creation Date:	10/13/2020
Receipt Date:	9/2/2020
Manifest ID:	015295703FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	15.42952
Waste Quantity:	3700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/17/2020
Creation Date:	10/19/2020
Receipt Date:	9/17/2020
Manifest ID:	021866827JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.25938
Waste Quantity:	2700
Quantity Unit:	G

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/11/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	021866737JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	17.7231
Waste Quantity:	4250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/7/2020
Creation Date:	9/14/2020
Receipt Date:	8/7/2020
Manifest ID:	014089835FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Info:

Year:	2020
Gen EPA ID:	CAD008252157
Shipment Date:	9/9/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	015295730FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/4/2020
Creation Date:	10/13/2020
Receipt Date:	9/5/2020
Manifest ID:	017525745JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.13511
Waste Quantity:	4109
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	10/29/2020

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Receipt Date:	10/1/2020
Manifest ID:	021866943JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.09758
Waste Quantity:	4100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/28/2020
Creation Date:	10/29/2020
Receipt Date:	9/29/2020
Manifest ID:	015295530FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/24/2020
Creation Date:	10/27/2020
Receipt Date:	9/24/2020
Manifest ID:	021866902JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/22/2020
Creation Date:	10/27/2020
Receipt Date:	9/22/2020
Manifest ID:	015295529FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/2/2020
Creation Date:	10/13/2020
Receipt Date:	9/2/2020
Manifest ID:	015295703FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	15.42952
Waste Quantity:	3700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/17/2020
Creation Date:	10/19/2020
Receipt Date:	9/17/2020
Manifest ID:	021866827JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.25938
Waste Quantity:	2700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/11/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	021866737JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	17.7231
Waste Quantity:	4250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/7/2020
Creation Date:	9/14/2020
Receipt Date:	8/7/2020
Manifest ID:	014089835FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	5118ca98-56c3-4544-937b-c6dcfb646d8a
Shipment Date:	8/4/2020
Receipt Date:	8/18/2020
Manifest Number:	021866436JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	800-535-5053
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Year:	2020
EM Manifest ID:	5118ca98-56c3-4544-937b-c6dcfb646d8a
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866436JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.46000
Quantity Waste:	920.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Shipment Date:	8/4/2020
Receipt Date:	8/10/2020
Manifest Number:	021866431JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866431JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866431JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	1.68300
Quantity Waste:	495.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866431JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.17500
Quantity Waste:	350.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Shipment Date:	8/4/2020
Receipt Date:	9/15/2020
Manifest Number:	021866433JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	909-625-6645
Contact:	Not reported
Contact Telephone:	562-906-2633
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	IND058484114
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	OHD980613541
TSDF Name:	HERITAGE THERMAL SERVICES INC
TSDF Address 1:	1250 SAINT GEORGE ST
TSDF Address 2:	Not reported
TSDF City:	EAST LIVERPOOL
TSDF Zip:	43920
TSDF Telephone:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Federal:

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.42000
Quantity Waste:	840.000000
Quantity Unit:	P
Number of Containers:	14
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.42000
Quantity Waste:	840.000000
Quantity Unit:	P
Number of Containers:	14
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	2
Method Code:	H040
Quantity Tons:	0.18000
Quantity Waste:	360.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	2
Method Code:	H040
Quantity Tons:	0.18000
Quantity Waste:	360.000000
Quantity Unit:	P
Number of Containers:	6

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D003

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 3
Method Code: H040
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 3
Method Code: H040
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D003

State:
Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.42000
Quantity Waste: 840.000000
Quantity Unit: P
Number of Containers: 14
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 172

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 2
Method Code: H040

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.18000
Quantity Waste:	360.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	172

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	3
Method Code:	H040
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	172

Year:	2020
EM Manifest ID:	52371182-202a-48e6-b029-1f324a2f29ab
Shipment Date:	5/7/2020
Receipt Date:	5/15/2020
Manifest Number:	021175098JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2020
EM Manifest ID:	52371182-202a-48e6-b029-1f324a2f29ab
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175098JJK
Line Number:	1
Method Code:	H132

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.65000
Quantity Waste:	1300.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Shipment Date:	5/7/2020
Receipt Date:	5/12/2020
Manifest Number:	021175094JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175094JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.51000
Quantity Waste:	150.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175094JJK
Line Number:	2
Method Code:	H141

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.08340
Quantity Waste:	20.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175094JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.08500
Quantity Waste:	25.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	912896
Shipment Date:	4/2/2019
Receipt Date:	4/11/2019
Manifest Number:	020249128JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	912896
Generator EPA ID:	CAD008252157
Shipment Date:	2019-04-02
Manifest Number:	020249128JJK
Line Number:	1
Method Code:	H141

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.00340
Quantity Waste:	1.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	1107023
Shipment Date:	2/12/2020
Receipt Date:	2/14/2020
Manifest Number:	021174377JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	1107023
Generator EPA ID:	CAD008252157
Shipment Date:	2020-02-12
Manifest Number:	021174377JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	3.36600
Quantity Waste:	990.000000
Quantity Unit:	G
Number of Containers:	18
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	1107023
Generator EPA ID:	CAD008252157
Shipment Date:	2020-02-12
Manifest Number:	021174377JJK
Line Number:	2
Method Code:	H141

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	1107023
Generator EPA ID:	CAD008252157
Shipment Date:	2020-02-12
Manifest Number:	021174377JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.42500
Quantity Waste:	125.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	864000
Shipment Date:	11/21/2019
Receipt Date:	11/26/2019
Manifest Number:	021172734JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	864000
Generator EPA ID:	CAD008252157
Shipment Date:	2019-11-21
Manifest Number:	021172734JJK
Line Number:	1
Method Code:	H141

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	1.70000
Quantity Waste:	500.000000
Quantity Unit:	G
Number of Containers:	10
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Shipment Date:	11/2/2020
Receipt Date:	11/8/2020
Manifest Number:	021867298JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.76500
Quantity Waste:	225.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	2
Method Code:	H141

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.00340
Quantity Waste:	1.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.33360
Quantity Waste:	80.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.10425
Quantity Waste:	25.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223

Year:	2020
EM Manifest ID:	411046b7-95aa-45c7-b90c-f3b2ef279dd4
Shipment Date:	11/2/2020
Receipt Date:	11/6/2020
Manifest Number:	021867303JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	800-535-5053
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2020
EM Manifest ID: 411046b7-95aa-45c7-b90c-f3b2ef279dd4
Generator EPA ID: CAD008252157
Shipment Date: 2020-11-02
Manifest Number: 021867303JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.91000
Quantity Waste: 1820.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2020
EM Manifest ID: 411046b7-95aa-45c7-b90c-f3b2ef279dd4
Generator EPA ID: CAD008252157
Shipment Date: 2020-11-02
Manifest Number: 021867303JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.35000
Quantity Waste: 700.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal boxes, cartons, cases (including roll offs)
Quantity Type: Pounds
State Code: 181

Detail Two:
Year: 2019
EM Manifest ID: 772143
Shipment Date: 9/17/2019
Receipt Date: 9/27/2019
Manifest Number: 020250745JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Address: 85-901 AVENUE 53
Address 2: Not reported
City: COACHELLA
Zip: 92236-0000
Telephone: 800-535-5053
Contact: Not reported
Contact Telephone: 760-398-2626
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Transporter 2 EPA ID: CAD981412356
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2019
EM Manifest ID: 772143
Generator EPA ID: CAD008252157
Shipment Date: 2019-09-17
Manifest Number: 020250745JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.49250
Quantity Waste: 985.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 979972
Shipment Date: 9/17/2019
Receipt Date: 9/26/2019
Manifest Number: 020250742JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Address: 85-901 AVENUE 53
Address 2: Not reported
City: COACHELLA
Zip: 92236
Telephone: 800-535-5053
Contact: Not reported
Contact Telephone: 760-398-0143
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 979972
Generator EPA ID: CAD008252157
Shipment Date: 2019-09-17

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Manifest Number:	020250742JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.49600
Quantity Waste:	440.000000
Quantity Unit:	G
Number of Containers:	8
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	644677
Shipment Date:	8/7/2018
Receipt Date:	8/19/2018
Manifest Number:	018408999JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	644677
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018408999JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.93500
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	540373
Shipment Date:	7/23/2019

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Receipt Date:	7/25/2019
Manifest Number:	020250185JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	540373
Generator EPA ID:	CAD008252157
Shipment Date:	2019-07-23
Manifest Number:	020250185JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.53000
Quantity Waste:	450.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	462818
Shipment Date:	7/23/2019
Receipt Date:	7/30/2019
Manifest Number:	020250188JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2019
EM Manifest ID: 462818
Generator EPA ID: CAD008252157
Shipment Date: 2019-07-23
Manifest Number: 020250188JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.50000
Quantity Waste: 1000.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 018407431JJK20180619_D_1
Shipment Date: 6/19/2018
Receipt Date: 6/25/2018
Manifest Number: 018407431JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS INC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000194217
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MXC130619001
TSDF Name: RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 018407431JJK20180619_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-06-19
Manifest Number: 018407431JJK
Line Number: 1

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Method Code:	H050
Quantity Tons:	0.88000
Quantity Waste:	1760.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.88000
Quantity Waste:	1760.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.80000
Quantity Waste:	1600.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.80000
Quantity Waste:	1600.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

State:

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.88000
Quantity Waste:	1760.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.80000
Quantity Waste:	1600.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.45870
Quantity Waste:	110.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Type: NULL
State Code: 343

Year: 2019
EM Manifest ID: 018407431JJK20180619_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-06-19
Manifest Number: 018407431JJK
Line Number: 6
Method Code: H020
Quantity Tons: 0.22935
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2019
EM Manifest ID: 711845
Shipment Date: 5/22/2019
Receipt Date: 5/24/2019
Manifest Number: 020249642JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Address: 85-901 AVENUE 53
Address 2: Not reported
City: COACHELLA
Zip: 92236-0000
Telephone: 800-535-5053
Contact: Not reported
Contact Telephone: 760-398-0143
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 711845
Generator EPA ID: CAD008252157
Shipment Date: 2019-05-22
Manifest Number: 020249642JJK
Line Number: 1
Method Code: H141
Quantity Tons: 1.70000
Quantity Waste: 500.000000
Quantity Unit: G
Number of Containers: 10
Type of Container: Fiberboard or plastic drums, barrels, kegs

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Type: Gallons
State Code: 343

Year: 2019
EM Manifest ID: 790346
Shipment Date: 5/22/2019
Receipt Date: 5/30/2019
Manifest Number: 020249646JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Address: 85-901 AVENUE 53
Address 2: Not reported
City: COACHELLA
Zip: 92236-0000
Telephone: 800-535-5053
Contact: Not reported
Contact Telephone: 760-398-2626
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD981412356
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2019
EM Manifest ID: 790346
Generator EPA ID: CAD008252157
Shipment Date: 2019-05-22
Manifest Number: 020249646JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.45000
Quantity Waste: 900.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 790346
Generator EPA ID: CAD008252157
Shipment Date: 2019-05-22
Manifest Number: 020249646JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 338940
Shipment Date: 4/2/2019
Receipt Date: 4/5/2019
Manifest Number: 020249132JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Address: 85-901 AVENUE 53
Address 2: Not reported
City: COACHELLA
Zip: 92236-0000
Telephone: 800-535-5053
Contact: Not reported
Contact Telephone: 760-398-2626
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD981412356
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2019
EM Manifest ID: 338940
Generator EPA ID: CAD008252157
Shipment Date: 2019-04-02
Manifest Number: 020249132JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.30000
Quantity Waste: 600.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 645635
Shipment Date: 10/10/2018
Receipt Date: 10/19/2018
Manifest Number: 019175124JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Address: 85-901 AVENUE 53
Address 2: Not reported
City: COACHELLA
Zip: 92236-0000

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	645635
Generator EPA ID:	CAD008252157
Shipment Date:	2018-10-10
Manifest Number:	019175124JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03400
Quantity Waste:	10.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	645635
Generator EPA ID:	CAD008252157
Shipment Date:	2018-10-10
Manifest Number:	019175124JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.51000
Quantity Waste:	150.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Portable tanks
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	645635
Generator EPA ID:	CAD008252157
Shipment Date:	2018-10-10
Manifest Number:	019175124JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Type:	Gallons
State Code:	343

Detail Two:

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Shipment Date:	9/27/2017
Receipt Date:	10/5/2017
Manifest Number:	017524500JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000194217
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	MXC130619001
TSDF Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Manifest Number:	017524500JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.31275
Quantity Waste:	75.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.31275
Quantity Waste:	75.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	7
Method Code:	H050
Quantity Tons:	2.25000
Quantity Waste:	4500.000000
Quantity Unit:	P
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	7
Method Code:	H050
Quantity Tons:	2.25000
Quantity Waste:	4500.000000
Quantity Unit:	P
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

State:

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	5

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.31275
Quantity Waste:	75.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	1.83480
Quantity Waste:	440.000000
Quantity Unit:	G
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	7
Method Code:	H050
Quantity Tons:	2.25000
Quantity Waste:	4500.000000
Quantity Unit:	P
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Shipment Date:	9/27/2017
Receipt Date:	10/11/2017
Manifest Number:	017524496JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524496JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.49600
Quantity Waste:	440.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524496JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524496JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.10000

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	91899
Shipment Date:	8/7/2018
Receipt Date:	8/27/2018
Manifest Number:	018409000JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCT
Address:	85901 AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236
Telephone:	800-483-3718
Contact:	Janet Salcedo
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD069748192
TSDF Name:	Clean Harbors El Dorado LLC
TSDF Address 1:	309 American Circle
TSDF Address 2:	Not reported
TSDF City:	El Dorado
TSDF Zip:	71730
TSDF Telephone:	800-483-3718

Federal:

Year:	2018
EM Manifest ID:	91899
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018409000JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2018
EM Manifest ID:	91899
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018409000JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.01000

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F003

State:

Year:	2018
EM Manifest ID:	91899
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018409000JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2018
EM Manifest ID:	99165
Shipment Date:	8/7/2018
Receipt Date:	8/23/2018
Manifest Number:	019173506JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAD981412356
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-510-8510

State:

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	1

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Method Code:	H132
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date:	7/19/2017
Receipt Date:	8/5/2017
Manifest Number:	017523882JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523882JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.36000
Quantity Waste:	400.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523882JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.34000
Quantity Waste:	100.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Generator EPA ID:	CAD008252157

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date: 2017-07-19
Manifest Number: 017523882JJK
Line Number: 3
Method Code: H141
Quantity Tons: 0.02000
Quantity Waste: 40.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 017523886JJK20170719_D_1
Shipment Date: 7/19/2017
Receipt Date: 8/4/2017
Manifest Number: 017523886JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS INC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD981412356
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 017523886JJK20170719_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2017-07-19
Manifest Number: 017523886JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 017523886JJK20170719_D_1
Generator EPA ID: CAD008252157

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date: 2017-07-19
Manifest Number: 017523886JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.08750
Quantity Waste: 175.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Shipment Date: 7/19/2017
Receipt Date: 7/24/2017
Manifest Number: 017523884JJK
Generator EPA ID: CAD008252157
Name: ARMTEC DEFENSE PRODUCTS INC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000129759
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAL000194217
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MXC130619001
TSDF Name: RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2017-07-19
Manifest Number: 017523884JJK
Line Number: 1
Method Code: H050
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Generator EPA ID: CAD008252157

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	4
Method Code:	H020
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	5
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	6
Method Code:	H050
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	10
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	6
Method Code:	H050
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	10
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	7
Method Code:	H020
Quantity Tons:	0.77145
Quantity Waste:	185.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	7
Method Code:	H020
Quantity Tons:	0.77145
Quantity Waste:	185.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2017-07-19
Manifest Number: 017523884JJK
Line Number: 9
Method Code: H050
Quantity Tons: 1.92000
Quantity Waste: 3840.000000
Quantity Unit: P
Number of Containers: 8
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2017-07-19
Manifest Number: 017523884JJK
Line Number: 9
Method Code: H050
Quantity Tons: 1.92000
Quantity Waste: 3840.000000
Quantity Unit: P
Number of Containers: 8
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

State:
Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2017-07-19
Manifest Number: 017523884JJK
Line Number: 1
Method Code: H050
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 017523884JJK20170719_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2017-07-19
Manifest Number: 017523884JJK
Line Number: 2
Method Code: H050
Quantity Tons: 0.07000

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Waste:	140.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	3
Method Code:	H050
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	4
Method Code:	H020
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	5
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Line Number:	6
Method Code:	H050
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	10
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	7
Method Code:	H020
Quantity Tons:	0.77145
Quantity Waste:	185.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	8
Method Code:	H020
Quantity Tons:	2.98155
Quantity Waste:	715.000000
Quantity Unit:	G
Number of Containers:	13
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	9
Method Code:	H050
Quantity Tons:	1.92000
Quantity Waste:	3840.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	10
Method Code:	H020
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	018407433JJK20180619_D_1
Shipment Date:	6/19/2018
Receipt Date:	6/22/2018
Manifest Number:	018407433JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	018407433JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407433JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.22500
Quantity Waste:	450.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

EM Manifest ID:	018407430JJK20180619_D_1
Shipment Date:	6/19/2018
Receipt Date:	7/3/2018
Manifest Number:	018407430JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	018407430JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407430JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.93500
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Shipment Date:	5/1/2018
Receipt Date:	5/7/2018
Manifest Number:	018408469JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Transporter 2 EPA ID: CAR000194217
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MXC130619001
TSDF Name: RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 018408469JJK20180501_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-05-01
Manifest Number: 018408469JJK
Line Number: 1
Method Code: H050
Quantity Tons: 1.00000
Quantity Waste: 2000.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 018408469JJK20180501_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-05-01
Manifest Number: 018408469JJK
Line Number: 1
Method Code: H050
Quantity Tons: 1.00000
Quantity Waste: 2000.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 018408469JJK20180501_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-05-01
Manifest Number: 018408469JJK
Line Number: 2
Method Code: H050
Quantity Tons: 1.00000
Quantity Waste: 2000.000000
Quantity Unit: P
Number of Containers: 8
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 018408469JJK20180501_D_1

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.99000
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.99000
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.12000
Quantity Waste:	240.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

State:

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.99000
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.12000
Quantity Waste:	240.000000
Quantity Unit:	P
Number of Containers:	2

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 018408469JJK20180501_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-05-01
Manifest Number: 018408469JJK
Line Number: 5
Method Code: H050
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 018408469JJK20180501_D_1
Generator EPA ID: CAD008252157
Shipment Date: 2018-05-01
Manifest Number: 018408469JJK
Line Number: 6
Method Code: H020
Quantity Tons: 1.60545
Quantity Waste: 385.000000
Quantity Unit: G
Number of Containers: 7
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Additional Info:
Year: 2017
Gen EPA ID: CAD008252157

Shipment Date: 20171211
Creation Date: 6/13/2018 18:31:23
Receipt Date: 20171214
Manifest ID: 017525692JJK
Trans EPA ID: CAR000129759
Trans Name: HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H070 - Not reported
Quantity Tons: 7.3392
Waste Quantity: 1760
Quantity Unit: G

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	7/20/2018 18:30:10
Receipt Date:	20171130
Manifest ID:	015946547JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171122
Manifest ID:	017525449JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H070 - Not reported
Quantity Tons:	9.174
Waste Quantity:	2200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171122
Manifest ID:	017525449JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H070 - Not reported
Quantity Tons:	0.9174
Waste Quantity:	220

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171122
Manifest ID:	017525449JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	7/17/2018 18:30:34
Receipt Date:	20171116
Manifest ID:	017525467JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.68
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Info:

Year:	2016
Gen EPA ID:	CAD008252157
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.95
Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.4

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	5.28
Waste Quantity:	10560
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD008252157

Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.95
Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.065

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	5.28
Waste Quantity:	10560
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD008252157

Shipment Date:	20141023
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141113

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Manifest ID:	012892479JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141023
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	012892479JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141023
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141113
Manifest ID:	012892479JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.31
Waste Quantity:	620
Quantity Unit:	P

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.18765
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141023

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Creation Date:	12/30/2014 22:15:05
Receipt Date:	20141027
Manifest ID:	012892476JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141023
Creation Date:	3/31/2015 22:15:05
Receipt Date:	20141107
Manifest ID:	012892475JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141023
Creation Date:	4/17/2015 22:15:07
Receipt Date:	20141103
Manifest ID:	012892474JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.066
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD008252157
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	012136817JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131205
Manifest ID:	012136818JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRAN ENV SER
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	012136817JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	1.496
Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20131125
Manifest ID:	007731365JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	012136817JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.115
Waste Quantity:	230
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131205
Manifest ID:	012136818JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRAN ENV SER
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.68805
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	4/24/2014 22:15:08

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Receipt Date:	20131205
Manifest ID:	012136812JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.87
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131121
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131205
Manifest ID:	012136812JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131121
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131208
Manifest ID:	012136813JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDF EPA ID:	ARD069748192

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131208
Manifest ID:	012136813JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD008252157
Shipment Date:	20121112
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121121
Manifest ID:	010479621JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121112
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121115
Manifest ID:	010479619JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	4.587
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121101
Manifest ID:	010479356JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010479357JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.85
Waste Quantity:	3700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121101
Manifest ID:	010479356JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121101
Manifest ID:	010479356JJK
Trans EPA ID:	CAR000129759

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	4/6/2013 22:15:07
Receipt Date:	20121025
Manifest ID:	010479357JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010479357JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.496
Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	3/22/2013 22:15:24
Receipt Date:	20121102
Manifest ID:	010479359JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121018
Creation Date:	1/5/2013 22:15:26
Receipt Date:	20121025
Manifest ID:	010479358JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.31
Waste Quantity:	620
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ARMTEC DEFENSE PRODUCTS INC (Continued) **S112999106**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

A5 **ARMTEC DEFENSE PRODUCTS INC.** **RCRA-LQG** **1000397949**
Target **85-901 AVENUE 53** **UST** **CAD008252157**
Property **COACHELLA, CA 92236** **AST**
SWEEPS UST
Site 5 of 9 in cluster A **LDS**
FINDS
Actual: **ECHO**
-89 ft. **ENF**
WDS
CIWQS
CERS
E MANIFEST

RCRA Listings:

Date Form Received by Agency:	20220225
Handler Name:	Armtec Defense Products Company
Handler Address:	Avenue 53
Handler City,State,Zip:	COACHELLA, CA 92236-0000
EPA ID:	CAD008252157
Contact Name:	ROBERT L FARMER
Contact Address:	AVENUE 53
Contact City,State,Zip:	COACHELLA, CA 92236-0000
Contact Telephone:	760-398-2626
Contact Fax:	760-398-2915
Contact Email:	LANCE.FARMER@ARMTECDEFENSE.COM
Contact Title:	DIRECTOR ENVIRONMENTAL HEALTH & SAFETY
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 848
Mailing City,State,Zip:	COACHELLA, CA 92236
Owner Name:	Transdigm Group Inc.
Owner Type:	Private
Operator Name:	Armtec Defense Products Company
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220616
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D005
Waste Description:	Barium
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D009
Waste Description:	Mercury
Waste Code:	D011
Waste Description:	Silver
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone
Waste Code:	F001
Waste Description:	The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: U002
Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U112
Waste Description: Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)

Waste Code: U223
Waste Description: Benzene, 1,3-Diisocyanatomethyl- (R,T) (Or) Toluene Diisocyanate (R,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: ESTERLINE(EDT-CAO)
Legal Status: Private
Date Became Current: 19680901
Date Ended Current: Not reported
Owner/Operator Address: 85-901 AVENUE 53
Owner/Operator City,State,Zip: COACHELLA, CA 92236-0000
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS CO.
Legal Status: Private
Date Became Current: 19680101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ESTERLINE TECHNOLOGIES
Legal Status: Private
Date Became Current: 19980901
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Owner/Operator Indicator:	Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS	
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 848
Owner/Operator City,State,Zip:	COACHELLA, CA 92236
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ESTERLINE CORPORATION	
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not reported
Owner/Operator Address:	500 108TH AVENUE NE
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	425-453-9400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ESTERLINE TECHNOLOGIES	
Legal Status:	Private
Date Became Current:	19980901
Date Ended Current:	Not reported
Owner/Operator Address:	500 108TH. AVE. NE, SUITE 1500
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ESTERLINE TECHNOLOGIES	
Legal Status:	Private
Date Became Current:	19980901
Date Ended Current:	Not reported
Owner/Operator Address:	500 108TH. AVENUE NE, SUITE150
Owner/Operator City,State,Zip:	BELLAVUE, WA 98004
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ESTERLINE CORPORATION	
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not reported
Owner/Operator Address:	500 108TH AVENUE NE
Owner/Operator City,State,Zip:	WASHINGTON, WA 98004
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TRANSDIGM GROUP INC.	
Legal Status:	Private
Date Became Current:	20190301
Date Ended Current:	Not reported
Owner/Operator Address:	1301 EAST 9TH ST.
Owner/Operator City,State,Zip:	CLEVELAND, OH 44114
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS COMPANY	
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not reported
Owner/Operator Address:	85-901 AVENUE 53
Owner/Operator City,State,Zip:	COACHELLA, CA 92236-0000
Owner/Operator Telephone:	760-541-5628
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	WILLIAM.MAITLAND@ARMTECDEFENSE.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS	
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCT COMPANY	
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS
Legal Status: Private
Date Became Current: 19680101
Date Ended Current: Not reported
Owner/Operator Address: 85801 AVENUE 53
Owner/Operator City,State,Zip: COACHELLA, CA 92236
Owner/Operator Telephone: 760-398-0143
Owner/Operator Telephone Ext: 1329
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS
Legal Status: Private
Date Became Current: 19680101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ESTERLINE CORPORATION
Legal Status: Private
Date Became Current: 19680901
Date Ended Current: Not reported
Owner/Operator Address: 500 108TH AVENUE NE, SUITE
Owner/Operator City,State,Zip: BELLEVUE, WA 98004
Owner/Operator Telephone: 425-453-9400
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ESTERLINE CORPORATION
Legal Status: Private
Date Became Current: 19680901
Date Ended Current: Not reported
Owner/Operator Address: 500 108TH AVENUE NE, STE 1500.
Owner/Operator City,State,Zip: BELLEVUE, WA 98004
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ESTERLINE CORPORATION
Legal Status: Private

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Date Became Current: 19680901
Date Ended Current: Not reported
Owner/Operator Address: 500 108TH AVENUE, NE
Owner/Operator City,State,Zip: BELLEVUE, WA 98004
Owner/Operator Telephone: 425-453-9400
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS CO.(ESTERLINE)
Legal Status: Private
Date Became Current: 19680901
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS COMPANY
Legal Status: Private
Date Became Current: 19680901
Date Ended Current: Not reported
Owner/Operator Address: 85-901 AVENUE 53
Owner/Operator City,State,Zip: COACHELLA, CA 92236-0000
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ESTERLINE TECHNOLOGY
Legal Status: Private
Date Became Current: 19980901
Date Ended Current: Not reported
Owner/Operator Address: 10800 NE 8TH ST. SUITE 600
Owner/Operator City,State,Zip: BELLEVUE, WA 98004
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Owner/Operator Indicator: Owner
Owner/Operator Name: TRANSDIGM GROUP INC.
Legal Status: Private
Date Became Current: 20190301
Date Ended Current: Not reported
Owner/Operator Address: 1301 EAST 9TH ST.
Owner/Operator City,State,Zip: CLEVELAND, OH 44114
Owner/Operator Telephone: 760-398-2626
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: LANCE.FARMER@ARMTECDEFENSE.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMTEC DEFENSE PRODUCTS
Legal Status: Private
Date Became Current: 19680101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100615
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120316
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160225
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180321
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200225
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220225
Handler Name: ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: ARMTEC DEFENSE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900319
Handler Name: ARMTEC DEFENSE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900510
Handler Name: ARMTEC DEFENSE PRODUCTS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920220
Handler Name: ARMTEC DEFENSE PRODUCTS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960229
Handler Name: ARMTEC DEFENSE PRODUCTS CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: ARMTEC DEFENSE PRODUCTS CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: ARMTEC DEFENSE PRODUCTS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020205
Handler Name: ARMTEC DEFENSE PRODUCTS CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040301
Handler Name: ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060213
Handler Name: ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080226
Handler Name: ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 314999
NAICS Description: ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS

NAICS Code: 326121
NAICS Description: UNLAMINATED PLASTICS PROFILE SHAPE MANUFACTURING

NAICS Code: 327999
NAICS Description: ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MANUFACTURING

NAICS Code: 332994
NAICS Description: SMALL ARMS MANUFACTURING

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

NAICS Code: 332995
NAICS Description: OTHER ORDNANCE AND ACCESSORIES MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20080708
Actual Return to Compliance Date:	20090808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	601
Date of Enforcement Action:	20080708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20090105
Actual Return to Compliance Date: 20090803
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20090311
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: JSCHO
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20080708
Actual Return to Compliance Date:	20090808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	601
Date of Enforcement Action:	20080708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20080708
Actual Return to Compliance Date:	20090808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	601
Date of Enforcement Action:	20080708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20090105
Actual Return to Compliance Date:	20090803
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20090311
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: JSCHO
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20080708
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20090808
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900924
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20090105
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: JSCHO
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20090803

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920928
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080708
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090808
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031208
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120508
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Evaluation Date:	20150922
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20200122
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080708
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090808
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090105
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090803
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

UST:

Name:	ARMTEC DEFENSE PRODUCTS CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	100
Permitting Agency:	RIVERSIDE COUNTY
CERSID:	Not reported
Latitude:	33.663437
Longitude:	-116.165139
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

AST:

Name:	ARMTEC DEFENSE PRODUCTS CO
Address:	85901 AVENUE 53
City/Zip:	COACHELLA,92236
Certified Unified Program Agencies:	Not reported
Owner:	Esterline Corporation
Total Gallons:	Not reported
CERSID:	10152951
Facility ID:	Not reported
Business Name:	ARMTEC DEFENSE PRODUCTS INC

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Phone:	7.6039801431e+013
Fax:	Not reported
Mailing Address:	PO Box 848
Mailing Address City:	Coachella
Mailing Address State:	CA
Mailing Address Zip Code:	92236
Operator Name:	Attn: William Maitland
Operator Phone:	4254539400
Owner Phone:	4254539400
Owner Mail Address:	PO Box 848
Owner State:	CA
Owner Zip Code:	92236
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD008252157

SWEEPS UST:

Name:	ARMTEC DEFENSE PRODUCTS CO
Address:	85901 AVENUE 53
City:	COACHELLA
Status:	Active
Comp Number:	20
Number:	1
Board Of Equalization:	44-017797
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	09-16-88
Owner Tank Id:	000158
SWRCB Tank Id:	33-000-000020-000001
Tank Status:	A
Capacity:	8000
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	XYLENE
Number Of Tanks:	1

LDS:

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Global Id:	L10007426352
Latitude:	33.66062
Longitude:	-116.1665
Case Type:	Land Disposal Site
Status:	Open - Operating
Status Date:	12/01/1989
Lead Agency:	COLORADO RIVER BASIN RWQCB (REGION 7)
Caseworker:	SS

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Local Agency:	Not reported
RB Case Number:	7A332005012
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10007426352
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	Not reported
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Title 27 - Surface Impoundment
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

FINDS:
Registry ID: 110064261258

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
Registry ID: 110070747096

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Registry ID: 110000479107

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES

The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000397949
Registry ID: 110000479107

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000479107
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236

ENF:

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Armtec Defense Products Company
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.018
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	7A332005012
Reg Measure Id:	131662
Reg Measure Type:	WDR
Region:	7
Order #:	02-106
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Status:	Historical
Status Date:	06/14/2016
Effective Date:	06/26/2002
Expiration/Review Date:	06/26/2012
Termination Date:	11/13/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	249394
Region:	7
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	07/29/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	07/29/2002 Notice of Violation No. R7-2002-0185 issued for failure to submit 2002 2nd Quarter M&R
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	232817
Region:	7
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/29/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	9/29/2000
Termination Date:	09/29/2000

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	Nompliance ltr issued for past viols. Discharger informed that strict adherence to all Specifications and Prohibition in Order No. 91-043 is required.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	232816
Region:	7
Order / Resolution Number:	R7-2000-0135
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/18/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	09/28/2000 CAO 00-135 issued for discharge of 4Methyl 2Pentanone, Acetone, Xylenes and Diphenylamine which may impair the benefical uses of ground water
Program:	WDR
Latest Milestone Completion Date:	5/30/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Facility Id:	206368
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	232648
Region:	7
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/21/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/21/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	07/21/2000 Noncompliance ltr issued for acute toxicity for sampled collected on 06/06/2000 which exhibited 0% survival. Request information on how the viols occurred and discuss how and when the facility will come back into compliance.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

WDS:

Name:	ARMTEC DEFENSE PRODUCTS 02-106
Address:	85901 AVE 53
City:	COACHELLA
Facility ID:	West Colorado River 332005012
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	7
Facility Telephone:	7603980143
Facility Contact:	RON DIFELICE
Agency Name:	ARMTEC DEFENSE PRODUCTS CO.
Agency Address:	PO BOX 848
Agency City,St,Zip:	COACHELLA 92236
Agency Contact:	RON DIFELICE
Agency Telephone:	7603980143
Agency Type:	Private
SIC Code:	3483

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	WSHWTR
Waste Type2:	Not reported
Waste2:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS:

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Agency:	Armtec Defense Products Company
Agency Address:	Po Box 848, Coachella, CA 92236
Place/Project Type:	Manufacturing NEC
SIC/NAICS:	3483
Region:	7
Program:	LNDISPOTH, WDR
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	R7-2013-0063
WDID:	7A332005012
NPDES Number:	Not reported
Adoption Date:	11/14/2013
Effective Date:	11/14/2013
Termination Date:	Not reported
Expiration/Review Date:	11/14/2023
Design Flow:	0.018
Major/Minor:	Not reported
Complexity:	B
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

CERS:
Name: ARMTEC DEFENSE PRODUCTS
Address: 85901 AVE 53
City,State,Zip: COACHELLA, CA 92236
Site ID: 6880
CERS ID: 206368
CERS Description: Land Disposal

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-1997
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Sampling Inspection
Eval Date: 05-17-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2020
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-1996
Violations Found: No

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2005
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Sampling Inspection
Eval Date: 12-09-1998
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Enforcement Action:
Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 07-21-2000
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 07-29-2002
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 09-28-2000
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 09-29-2000
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: SCOT STORMO - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title: Not reported
Affiliation Address: 73720 Fred Waring Dr., Ste 100
Affiliation City: PALM DESERT
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7607768964,

Name: ARMTEC DEFENSE PRODUCTS
Address: 85901 AVE 53
City,State,Zip: COACHELLA, CA 92236
Site ID: 6880
CERS ID: L10007426352
CERS Description: Land Disposal Site

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-1997
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Sampling Inspection
Eval Date: 05-17-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2020
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2005
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2000
Violations Found: No

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Eval General Type: Compliance Sampling Inspection
Eval Date: 12-09-1998
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS,

Enforcement Action:
Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 07-21-2000
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 07-29-2002
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS
Site Address: 85901 AVE 53
Site City: COACHELLA
Site Zip: 92236
Enf Action Date: 09-28-2000
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS,

Site ID: 6880
Site Name: ARMTEC DEFENSE PRODUCTS

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	09-29-2000
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SCOT STORMO - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title:	Not reported
Affiliation Address:	73720 Fred Waring Dr., Ste 100
Affiliation City:	PALM DESERT
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7607768964,

E MANIFEST:

Manifest Tracking Number:	019175124JJK
Last Updated Date:	20191015
Shipped Date:	20181010
Received Date:	20181019
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	AZR000520304
Designated Facility Name:	AA SYDCOL LLC
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3155 GOLDEN WILLOW CT
Designated Facility Mail City:	YORBA LINDA
Designated Facility Mail Zip:	92886-1303
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	2264 E 13TH ST

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	YUMA
Designated Facility Location Zip:	85365-1858
Designated Facility Location State:	AZ
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019175125JJK
Last Updated Date:	20191002
Shipped Date:	20181010
Received Date:	20181015
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAT080013352
Designated Facility Name:	DEMENNO/KERDOON
Designated Facility Mail Street Number:	2000
Designated Facility Mail Street 1:	CA90222 CA037US 2000
Designated Facility Mail Street 2:	2000 N. ALAMEDA STREET
Designated Facility Mail City:	COMPTON
Designated Facility Mail Zip:	90222
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	2000
Designated Facility Location Street 1:	2000 N. ALAMEDA STREET
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	COMPTON
Designated Facility Location Zip:	90222-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019175165JJK
Last Updated Date:	20181108
Shipped Date:	20181010
Received Date:	20181018
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236
Generator Location Street Number:	Not reported
Generator Location Street 1:	85901 AVENUE 53
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAD097030993
Designated Facility Name:	US ECOLOGY VERNON, INC.
Designated Facility Mail Street Number:	5375
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	5375 SOUTH BOYLE AVENUE
Designated Facility Mail City:	VERNON
Designated Facility Mail Zip:	90058
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	5375
Designated Facility Location Street 1:	5375 SOUTH BOYLES AVENUE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	VERNON
Designated Facility Location Zip:	90058
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019175167JJK
Last Updated Date:	20181029
Shipped Date:	20181010
Received Date:	20181019
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236
Generator Location Street Number:	Not reported
Generator Location Street 1:	85901 AVENUE 53
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	US ECOLOGY NEVADA, INC
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Designated Facility Mail Street 2:	PO BOX 578
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	HWY 95 11 MI S OF BEATTY
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019176964JJK
Last Updated Date:	20191101
Shipped Date:	20190109
Received Date:	20190119
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	AZR000520304
Designated Facility Name:	AA SYDCOL LLC
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3155 GOLDEN WILLOW CT
Designated Facility Mail City:	YORBA LINDA
Designated Facility Mail Zip:	92886-1303
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	2264 E 13TH ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	YUMA
Designated Facility Location Zip:	85365-1858
Designated Facility Location State:	AZ
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019176966JJK
Last Updated Date:	20190202
Shipped Date:	20190109

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Received Date:	20190117
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAD097030993
Designated Facility Name:	US ECOLOGY VERNON INC
Designated Facility Mail Street Number:	5375
Designated Facility Mail Street 1:	CA90058 CA037US 5375
Designated Facility Mail Street 2:	5375 SOUTH BOYLE AVENUE
Designated Facility Mail City:	VERNON
Designated Facility Mail Zip:	90058
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	5375
Designated Facility Location Street 1:	5375 SOUTH BOYLE AVENUE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	LOS ANGELES
Designated Facility Location Zip:	90058-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019176967JJK
Last Updated Date:	20190206
Shipped Date:	20190109
Received Date:	20190118
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	US ECOLOGY NEVADA, INC
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO BOX 578
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	HWY 95 11 MI S OF BEATTY
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019176971JJK
Last Updated Date:	20210620
Shipped Date:	20190109
Received Date:	20190125
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCT
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	85901 AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236
Generator Location Street Number:	Not reported
Generator Location Street 1:	85901 Avenue 53
Generator Location Street 2:	Not reported
Generator Location City:	Coachella
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Armtec Defense Product
Designated Facility EPA ID:	ARD069748192
Designated Facility Name:	Clean Harbors El Dorado LLC
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	309 American Circle
Designated Facility Mail City:	El Dorado
Designated Facility Mail Zip:	71730
Designated Facility Mail State:	AR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	309 American Circle
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	El Dorado
Designated Facility Location Zip:	71730
Designated Facility Location State:	AR
Designated Facility Contact Company Name:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	021867964JJK
Last Updated Date:	20210201
Shipped Date:	20210113
Received Date:	20210113
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Generator Mail Street Number:	85-901
Generator Mail Street 1:	AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAD008488025
Designated Facility Name:	PHIBRO-TECH INC
Designated Facility Mail Street Number:	8851
Designated Facility Mail Street 1:	CA90670 CA037US 8851
Designated Facility Mail Street 2:	DICE ROAD
Designated Facility Mail City:	SANTA FE SPRINGS
Designated Facility Mail Zip:	90670
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	8851
Designated Facility Location Street 1:	DICE ROAD
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SANTA FE SPRINGS
Designated Facility Location Zip:	90670-2515
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	014073359FLE
Last Updated Date:	20210111
Shipped Date:	20201124
Received Date:	20201124
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Generator Mail Street Number:	85-901
Generator Mail Street 1:	AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAD008488025
Designated Facility Name:	PHIBRO-TECH INC
Designated Facility Mail Street Number:	8851
Designated Facility Mail Street 1:	CA90670 CA037US 8851
Designated Facility Mail Street 2:	DICE ROAD
Designated Facility Mail City:	SANTA FE SPRINGS
Designated Facility Mail Zip:	90670
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	8851
Designated Facility Location Street 1:	DICE ROAD
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SANTA FE SPRINGS
Designated Facility Location Zip:	90670-2515
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	014073432FLE
Last Updated Date:	20210115
Shipped Date:	20201202
Received Date:	20201204
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Generator Mail Street Number:	85-901
Generator Mail Street 1:	AVENUE 53
Generator Mail Street 2:	Not reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAD008488025
Designated Facility Name:	PHIBRO-TECH INC
Designated Facility Mail Street Number:	8851
Designated Facility Mail Street 1:	CA90670 CA037US 8851
Designated Facility Mail Street 2:	DICE ROAD
Designated Facility Mail City:	SANTA FE SPRINGS
Designated Facility Mail Zip:	90670
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	8851

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Designated Facility Location Street 1:	DICE ROAD
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SANTA FE SPRINGS
Designated Facility Location Zip:	90670-2515
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Federal Waste:

Manifest Tracking Number:	014073464FLE
Waste Line Number:	1
Federal Waste Code:	D002
Federal Waste:	CORROSIVE WASTE

State Waste:

Manifest Tracking Number:	014073464FLE
Waste Line Number:	1
State Waste Code Owner:	CA
State Waste Code:	121
State Waste:	Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc

Transporter:

Manifest Tracking Number:	014073464FLE
Transporter Line Number:	1
Transporter EPA ID:	CAR000241448
Transporter Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC

Waste Line:

Manifest Tracking Number:	014073464FLE
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1824
U.S. DOT Description:	RQ , UN1824 WASTE SODIUM HYDROXIDE SOLUTION ,8, PGII
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	TT
Container Type Description:	Cargo tanks (tank trucks)
Waste Quantity:	3500
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	14.595496
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	14.595496
Waste Quantity, in Kilograms:	13238.554
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	13238.554
Management Method Code:	H010
Management Method Description:	METALS RECOVERY
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported

ARMTEC DEFENSE PRODUCTS INC. (Continued) **1000397949**

Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y

Click this hyperlink while viewing on your computer to access
268 additional US EManifest: record(s) in the EDR Site Report.

A6 **ARMTEC DEFENSE PROD. CO** **CHMIRS** **S100220207**
Target **85901 AVENUE 53** **EMI** **N/A**
Property **COACHELLA, CA 92236**

Site 6 of 9 in cluster A

Actual:
-89 ft.

CHMIRS:

Name:	Not reported
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
OES Incident Number:	012040
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**27-JUL-90**
Property Use:	600
Agency Id Number:	33090
Agency Incident Number:	30579
Time Notified:	730
Time Completed:	1130
Surrounding Area:	400
Estimated Temperature:	100
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	2
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	RON REYNOLDS FC
Report Date:	28-JUL-90
Facility Telephone:	714 657-3183
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported

ARMTEC DEFENSE PROD. CO (Continued) **S100220207**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	27-JUL-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	30-MAY-91
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

EMI:

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1997
County Code:	33
Air Basin:	SC
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1999

ARMTEC DEFENSE PROD. CO (Continued) **S100220207**

County Code:	33
Air Basin:	SC
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2000
County Code:	33
Air Basin:	SC
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2009
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.6679642911979808
Reactive Organic Gases Tons/Yr:	4.3405899999999997
Carbon Monoxide Emissions Tons/Yr:	0.43668000000000001
NOX - Oxides of Nitrogen Tons/Yr:	3.6299999999999999
SOX - Oxides of Sulphur Tons/Yr:	0.15415000000000001
Particulate Matter Tons/Yr:	0.69603999999999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.29687103999999997

Name:	ARMTEC DEFENSE PROD. CO

ARMTEC DEFENSE PROD. CO (Continued) **S100220207**

Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2010
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.6224898981900502
Reactive Organic Gases Tons/Yr:	3.9618799999999998
Carbon Monoxide Emissions Tons/Yr:	0.70198000000000005
NOX - Oxides of Nitrogen Tons/Yr:	4.6854300000000002
SOX - Oxides of Sulphur Tons/Yr:	0.17724000000000001
Particulate Matter Tons/Yr:	0.85451999999999995
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.39400236

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2011
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.2938694806
Reactive Organic Gases Tons/Yr:	3.06764
Carbon Monoxide Emissions Tons/Yr:	0.6335
NOX - Oxides of Nitrogen Tons/Yr:	3.63257
SOX - Oxides of Sulphur Tons/Yr:	0.12043
Particulate Matter Tons/Yr:	0.65453
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.6541084

IND RES **AUGUSTINE RESERVATION** **INDIAN RESERV** **CIND200735**
Region **N/A**
WSW **, CA**
1/2-1
4199 ft.

INDIAN RESERV:

Feature:	Indian Reservation
Name:	Augustine Reservation
Agency:	BIA

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

A7 **ARMTEC DEFENSE PROD CO** **FINDS 1023692151**
85 901 AVENUE 53 **ECHO N/A**
< 1/8 **COACHELLA, CA 92236**
1 ft.

Site 7 of 9 in cluster A

Relative: Higher

Actual: -89 ft.

FINDS:
Registry ID: 110070089179

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023692151
Registry ID:	110070089179
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070089179
Name:	ARMTEC DEFENSE PROD CO
Address:	85 901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236

A8 **ARMTEC DEFENSE PROD. CO** **EMI S108431059**
P.O. BOX 1110 **N/A**
< 1/8 **COACHELLA, CA 92236**
1 ft.

Site 8 of 9 in cluster A

Relative: Higher

Actual: -89 ft.

EMI:

Name:	ARMTEC DEFENSE PROD. CO
Address:	P.O. BOX 1110
City,State,Zip:	COACHELLA, CA 92236
Year:	2005
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10.01303
Reactive Organic Gases Tons/Yr:	6.452215399
Carbon Monoxide Emissions Tons/Yr:	.56988
NOX - Oxides of Nitrogen Tons/Yr:	4.6701
SOX - Oxides of Sulphur Tons/Yr:	.18074
Particulate Matter Tons/Yr:	.90435
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.3652696

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A9	**ARMTEC DEFENSE PROD. CO**	**DRYCLEANERS**	**S106826234**
	85-901 AVENUE 53	**EMI**	**N/A**
< 1/8	**COACHELLA, CA 92236**		
1 ft.			

Site 9 of 9 in cluster A

Relative: **Higher**

Actual: **-89 ft.**

DRYCLEAN SOUTH COAST:

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	01323E
Permit Number:	E05310
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	000265
BCAT Description:	OVEN, DRYING
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	01/15/1982
PO Issue Date:	02/18/1982
NAICS Code:	332994
SIC Code:	3082

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	213437
Permit Number:	D30173
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	000265
BCAT Description:	OVEN, DRYING
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	09/28/1989
PO Issue Date:	08/14/1990
NAICS Code:	332994
SIC Code:	3082

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	213440
Permit Number:	D30197
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

BCAT Number:	Not reported
BCAT Description:	Not reported
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	09/28/1989
PO Issue Date:	08/14/1990
NAICS Code:	332994
SIC Code:	3082

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	01325E
Permit Number:	E05311
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	000265
BCAT Description:	OVEN, DRYING
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	12/31/9999
PO Issue Date:	02/18/1982
NAICS Code:	332994
SIC Code:	3082

EMI:

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AV 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1990
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1993

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	38
Reactive Organic Gases Tons/Yr:	32
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1995
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	38
Reactive Organic Gases Tons/Yr:	32
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1996
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	28
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1998
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2002
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2003
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2004
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.66414
Reactive Organic Gases Tons/Yr:	11.8
Carbon Monoxide Emissions Tons/Yr:	0.6304
NOX - Oxides of Nitrogen Tons/Yr:	5.5452
SOX - Oxides of Sulphur Tons/Yr:	0.206526
Particulate Matter Tons/Yr:	1.08559
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.42

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2006
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.19705277648169588
Reactive Organic Gases Tons/Yr:	10.335
Carbon Monoxide Emissions Tons/Yr:	.57
NOX - Oxides of Nitrogen Tons/Yr:	5.656
SOX - Oxides of Sulphur Tons/Yr:	.235
Particulate Matter Tons/Yr:	1.169
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.4347

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2007
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.19705277648169588
Reactive Organic Gases Tons/Yr:	10.335
Carbon Monoxide Emissions Tons/Yr:	.57

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

NOX - Oxides of Nitrogen Tons/Yr:	5.656
SOX - Oxides of Sulphur Tons/Yr:	.235
Particulate Matter Tons/Yr:	1.169
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.4347

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2008
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.44414979602946996
Reactive Organic Gases Tons/Yr:	9.3477994
Carbon Monoxide Emissions Tons/Yr:	.445897
NOX - Oxides of Nitrogen Tons/Yr:	3.67
SOX - Oxides of Sulphur Tons/Yr:	.13390295
Particulate Matter Tons/Yr:	.70316575
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.30416575

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2012
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.1775366742
Reactive Organic Gases Tons/Yr:	3.98891
Carbon Monoxide Emissions Tons/Yr:	0.44705
NOX - Oxides of Nitrogen Tons/Yr:	2.91466
SOX - Oxides of Sulphur Tons/Yr:	0.11451
Particulate Matter Tons/Yr:	0.5851
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26162264

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2013
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

Total Organic Hydrocarbon Gases Tons/Yr:	7.0922912194
Reactive Organic Gases Tons/Yr:	3.62247
Carbon Monoxide Emissions Tons/Yr:	0.44526
NOX - Oxides of Nitrogen Tons/Yr:	3.04609
SOX - Oxides of Sulphur Tons/Yr:	0.11699
Particulate Matter Tons/Yr:	0.56904
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.2423215

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2014
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.5822813702
Reactive Organic Gases Tons/Yr:	4.43502
Carbon Monoxide Emissions Tons/Yr:	0.32822
NOX - Oxides of Nitrogen Tons/Yr:	1.10894
SOX - Oxides of Sulphur Tons/Yr:	0.00804
Particulate Matter Tons/Yr:	0.10395
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.10388284

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2015
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.771815545
Reactive Organic Gases Tons/Yr:	13.462959237
Carbon Monoxide Emissions Tons/Yr:	0.27495605
NOX - Oxides of Nitrogen Tons/Yr:	0.9351466
SOX - Oxides of Sulphur Tons/Yr:	0.006400165
Particulate Matter Tons/Yr:	2.30952285
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.309475024

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2016
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.6421684978
Reactive Organic Gases Tons/Yr:	2.792411
Carbon Monoxide Emissions Tons/Yr:	0.189262
NOX - Oxides of Nitrogen Tons/Yr:	0.600329
SOX - Oxides of Sulphur Tons/Yr:	0.00620101
Particulate Matter Tons/Yr:	0.0703895
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.07038656

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2017
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.7415708471
Reactive Organic Gases Tons/Yr:	2.8161135
Carbon Monoxide Emissions Tons/Yr:	0.26621
NOX - Oxides of Nitrogen Tons/Yr:	0.93389
SOX - Oxides of Sulphur Tons/Yr:	0.00713016
Particulate Matter Tons/Yr:	0.063174
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.063152664

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2019
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2820666644
Reactive Organic Gases Tons/Yr:	1.09413815
Carbon Monoxide Emissions Tons/Yr:	0.22769225
NOX - Oxides of Nitrogen Tons/Yr:	0.72645185
SOX - Oxides of Sulphur Tons/Yr:	0.005696725
Particulate Matter Tons/Yr:	0.0750933
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0748525299

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2020
County Code:	33
Air Basin:	SS

ARMTEC DEFENSE PROD. CO (Continued) **S106826234**

Facility ID:	192155
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.6144868846
Reactive Organic Gases Tons/Yr:	0.7474018
Carbon Monoxide Emissions Tons/Yr:	0.3001536
NOX - Oxides of Nitrogen Tons/Yr:	1.0201654
SOX - Oxides of Sulphur Tons/Yr:	0.007783416
Particulate Matter Tons/Yr:	0.08000596
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.07970592424

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2021
County Code:	33
Air Basin:	SS
Facility ID:	192155
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.3831179373
Reactive Organic Gases Tons/Yr:	0.675719532
Carbon Monoxide Emissions Tons/Yr:	0.141793693
NOX - Oxides of Nitrogen Tons/Yr:	0.39544842
SOX - Oxides of Sulphur Tons/Yr:	0.004276128
Particulate Matter Tons/Yr:	0.053891405
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.05376836597

B10 **ARMTEC DEFENSE TECHNOLOGIES** **TRIS** **1017428055**
85-901 AVE 53 **92236RMTCD85901**
< 1/8 **COACHELLA, CA 92236**
1 ft.

Site 1 of 2 in cluster B

Relative: Facility, Chemical, Releases and Other Waste Management Summary Information:
Higher

TRI ID:	92236RMTCD85901
Form Type:	Form R
Reporting year:	2022
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	ENVIRONMENTAL ENGINEER WILLIAM MAITLAND
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2023-06-16
Name:	ARMTEC DEFENSE TECHNOLOGIES
Address:	85-901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
BIA code:	Not reported
Tribe name:	Not reported
Mailing name:	ARMTEC DEFENSE TECHNOLOGIES
Mailing street:	85-901 AVE 53
Mailing province:	Not reported
Mailing City,State,Zip:	COACHELLA, CA 92236

Actual:
-88 ft.

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	WILLIAM MAITLAND
Public contact phone and Ext:	7605415628
Public contact email:	WILLIAM.MAITLAND@ARMTECDEFENSE.COM
Primary sic code:	Not reported
Sic code 2:	Not reported
Sic code 3:	Not reported
Sic code 4:	Not reported
Sic code 5:	Not reported
Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	332994
Naics code 2:	Not reported
Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	33.663931
Longitude:	-116.16593
D and B number A:	611068453
D and B number B:	Not reported
RCRA number A:	CAD008252157
RCRA number B:	Not reported
RCRA number C:	Not reported
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported
NPDES number A:	Not reported
NPDES number B:	Not reported
NPDES number C:	Not reported
NPDES number D:	Not reported
NPDES number E:	Not reported
NPDES number F:	Not reported
NPDES number G:	Not reported
Parent company name:	TRANSDIGM INC
Parent company D and B number:	808784326
Standardized parent company name:	TRANSDIGM INC
Document control number:	1322220834283
TRI ID:	92236RMTCD85901
Cas number:	0000100414
Chemical name: Ethylbenzene	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	1
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	1
Fugitive air emissions - basis of estimate:	Mass Balance Calculations

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Stack air emissions - release pounds:	293
Stack air emissions - release range code:	Not reported
Total stack air emissions:	293
Stack air emissions - basis of estimate:	Mass Balance Calculations
Total air emissions:	294
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	294
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	12515
Total on-site waste management:	12515
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479107
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	100-41-4
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO
Submitted Facility Name:	ARMTEC DEFENSE TECHNOLOGIES
Submitted Street:	85-901 AVE 53
Submitted City:	COACHELLA
Submitted County:	RIVERSIDE
Submitted State:	CA
Submitted Zip Code:	92236
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	TRANSDIGM INC
Submitted Parent Company DB Number:	808784326
Submitted Standardized Parent Company Name:	TRANSDIGM INC
Submitted Primary NAICS Code:	332994
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2022
First year the facility reported:	1987
Number of forms submitted:	3
Total number of forms submitted:	99
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000100414
Document control number:	1322220834283
Chemical name: Ethylbenzene	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 2 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	NO
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:	92236RMTCD85901
Cas number:	0001330207
Chemical name:	Xylene (mixed isomers)
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	5
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	5
Fugitive air emissions - basis of estimate:	Mass Balance Calculations
Stack air emissions - release pounds:	1028

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Stack air emissions - release range code:	Not reported
Total stack air emissions:	1028
Stack air emissions - basis of estimate:	Mass Balance Calculations
Total air emissions:	1033
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	1033
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	43450
Total on-site waste management:	43450
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479107
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	1330-20-7
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO
Submitted Facility Name:	ARMTEC DEFENSE TECHNOLOGIES
Submitted Street:	85-901 AVE 53
Submitted City:	COACHELLA
Submitted County:	RIVERSIDE
Submitted State:	CA
Submitted Zip Code:	92236
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	TRANSDIGM INC
Submitted Parent Company DB Number:	808784326
Submitted Standardized Parent Company Name:	TRANSDIGM INC
Submitted Primary NAICS Code:	332994
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2022
First year the facility reported:	1987
Number of forms submitted:	3
Total number of forms submitted:	99
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0001330207
Document control number:	1322220834307
Chemical name:	Xylene (mixed isomers)
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		92236RMTCD85901
Cas number:		0000110543
Chemical name:	n-Hexane	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		03
Fugitive air emissions - total release pounds:		5
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		5
Fugitive air emissions - basis of estimate:		Mass Balance Calculations
Stack air emissions - release pounds:		80
Stack air emissions - release range code:		Not reported

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Total stack air emissions:	80
Stack air emissions - basis of estimate:	Mass Balance Calculations
Total air emissions:	85
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	85
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	17824
Total on-site waste management:	17824
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479107
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	110-54-3
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO
Submitted Facility Name:	ARMTEC DEFENSE TECHNOLOGIES
Submitted Street:	85-901 AVE 53
Submitted City:	COACHELLA
Submitted County:	RIVERSIDE
Submitted State:	CA
Submitted Zip Code:	92236
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	TRANSDIGM INC
Submitted Parent Company DB Number:	808784326
Submitted Standardized Parent Company Name:	TRANSDIGM INC
Submitted Primary NAICS Code:	332994
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2022
First year the facility reported:	1987
Number of forms submitted:	3
Total number of forms submitted:	99
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000110543
Document control number:	1322220834295
Chemical name: n-Hexane	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported

ARMTEC DEFENSE TECHNOLOGIES (Continued) **1017428055**

Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

B11 **ARMTEC DEFENSE PRODUCTS COMPANY** **PFAS ECHO** **1027326988**
N/A

< 1/8
1 ft.

COACHELLA, CA

Site 2 of 2 in cluster B

Relative:
Higher

Actual:
-88 ft.

PFAS ECHO:

Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	Not reported
City,State,Zip:	COACHELLA, CA
Latitude:	33.663931
Longitude:	-116.16593
Count:	1
County:	RIVERSIDE
Status:	Active
Region:	09
Industry:	Plastics and Resins

ARMTEC DEFENSE PRODUCTS COMPANY (Continued) **1027326988**

ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000479107
Facility Percent Minority:	97.931
Facility Derived Tribes:	Augustine Band of Cahuilla Indians, California - 1 mile(s), Cabazon Band of Cahuilla Indians - 1.5 mile(s), Twenty-Nine Palms Band of Mission Indians of California - 2.9 mile(s), Torres Martinez Desert Cahuilla Indians, California - 5.4 mile(s), Agua Cali
Facility Population:	1410.29
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	06065
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18100200
Facility Derived WBD:	181002010802
Facility Derived CD113:	36
Facility Derived CB2010:	060650457032001
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	1
Facility Date Last Inspection:	1/22/2020
Facility Days Last Inspection:	1,424
Facility Informal Count:	0
Facility Date Last Informal Action:	3/11/2009
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	Y
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	CAD008252157
RCRA Permit Types:	LQG
RCRA NAICS:	332994
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	92236RMTCD85901
TRI Releases Transfers:	1412

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

ARMTEC DEFENSE PRODUCTS COMPANY (Continued) **1027326988**

TRI On Site Releases:	1,412
TRI Off Site Transfers:	0
TRI Reporter:	Y
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-116.16593,%22y%22:33.663931,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

12
SE
< 1/8
0.059 mi.
309 ft.

PRECISION GUNITE CORP. **AST** **A100423554**
86010 TYLER LN **N/A**
COACHELLA, CA 92236

Relative:
Lower

Actual:
-93 ft.

AST:

Name:	PRECISION GUNITE CORP.
Address:	86010 TYLER LN
City/Zip:	COACHELLA,92236
Certified Unified Program Agencies:	Not reported
Owner:	DANNY GARCIA
Total Gallons:	Not reported
CERSID:	10326016
Facility ID:	FA0028738
Business Name:	Precision Gunite Corp.
Phone:	(818) 898-1141
Fax:	(818) 898-1401
Mailing Address:	562 Glenoaks Blvd
Mailing Address City:	San Fernando
Mailing Address State:	CA
Mailing Address Zip Code:	91340
Operator Name:	DAVID MURRILLO
Operator Phone:	(818) 814-1411
Owner Phone:	(818) 898-1141
Owner Mail Address:	562 GLENOAKS BLVD
Owner State:	CA
Owner Zip Code:	91340
Owner Country:	United States
Property Owner Name:	DANNY/ SUSIE GARCIA
Property Owner Phone:	(818) 612-1141
Property Owner Mailing Address:	86010 Tyler Ln
Property Owner City:	Coachella
Property Owner Stat :	CA
Property Owner Zip Code:	92236
Property Owner Country:	United States
EPAID:	Not reported

13
ESE
1/8-1/4
0.134 mi.
708 ft.

VALLEY PRIDE INC
86120 TYLER LN
COACHELLA, CA 92236

RCRA NonGen / NLR

1024848563
CAL000404280

Relative:
Lower

Actual:
-94 ft.

RCRA Listings:

Date Form Received by Agency:	20150205
Handler Name:	Valley Pride Inc
Handler Address:	86120 Tyler Ln
Handler City,State,Zip:	COACHELLA, CA 92236
EPA ID:	CAL000404280
Contact Name:	MERCEDES ZEPEDA
Contact Address:	86120 TYLER LN
Contact City,State,Zip:	COACHELLA, CA 92236
Contact Telephone:	760-398-1353
Contact Fax:	760-398-3079
Contact Email:	PRIVERA@VALLEYPRIDE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	10735-B OCEAN MIST PKWY
Mailing City,State,Zip:	CASTROVILLE, CA 95012-3232
Owner Name:	Valley Pride Inc
Owner Type:	Other
Operator Name:	Mercedes Zepeda
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

VALLEY PRIDE INC (Continued) **1024848563**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MERCEDES ZEPEDA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	86120 TYLER LN
Owner/Operator City,State,Zip:	COACHELLA, CA 92236
Owner/Operator Telephone:	760-398-1353
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: VALLEY PRIDE INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10735-B OCEAN MIST PKWY
Owner/Operator City,State,Zip:	CASTROVILLE, CA 95012-3232
Owner/Operator Telephone:	831-633-5883
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150205
Handler Name: VALLEY PRIDE INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

VALLEY PRIDE INC (Continued) **1024848563**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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14 **EBERHARD EQUIPMENT #2** **CERS HAZ WASTE** **S127596087**
SSE **86100 AVENUE 54** **N/A**
1/8-1/4 **COACHELLA, CA 92236**
0.239 mi.
1261 ft.

Relative:
Lower

Actual:
-96 ft.

CERS HAZ WASTE:
Name: EBERHARD EQUIPMENT #2
Address: 86100 AVENUE 54
City,State,Zip: COACHELLA, CA 92236
Site ID: 576286
CERS ID: 10874542
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 576286
Site Name: Eberhard Equipment #2
Violation Date: 09-07-2023
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/17/2023.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: eberhard equipment in coachella. owner/operator change. put site under permit
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-07-2023
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health

EBERHARD EQUIPMENT #2 (Continued) **S127596087**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: eberhard equipment. put site under permit
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title: Not reported
Affiliation Address: 4065 County Circle Drive, Room 104
Affiliation City: Riverside
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92503
Affiliation Phone: (951) 358-5055,

Affiliation Type Desc: Property Owner
Entity Name: Steve Eberhard
Entity Title: Not reported
Affiliation Address: PO Box 968
Affiliation City: Coachella
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92236
Affiliation Phone: (760) 398-4141,

Affiliation Type Desc: Identification Signer
Entity Name: Joe Rodriguez
Entity Title: Office Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Eberhard Equipment #2
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Joe Rodriguez
Entity Title: Not reported
Affiliation Address: Not reported

EBERHARD EQUIPMENT #2 (Continued) **S127596087**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 968
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	JOE RODRIGUEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 398-4141,
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOE RODRIGUEZ
Entity Title:	Not reported
Affiliation Address:	PO Box 968
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Steve Eberhard
Entity Title:	Not reported
Affiliation Address:	PO Box 968
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92236
Affiliation Phone:	(760) 398-4141,

C15 **EL SUPER TORO LOCO #3** **LUST** **S106448060**
North **52051 GRAPEFRUIT AVENUE** **Cortese** **N/A**
1/4-1/2 **COACHELLA, CA 92236** **CERS**
0.316 mi.
1667 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**
Actual: **-82 ft.**

LUST:

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP

EL SUPER TORO LOCO #3 (Continued) **S106448060**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606555198
Global Id:	T0606555198
Latitude:	33.6708129553673
Longitude:	-116.166543513536
Status:	Completed - Case Closed
Status Date:	07/07/2006
Case Worker:	Not reported
RB Case Number:	7t2236034
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	200420349
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	02/25/2004
Leak Reported Date:	02/25/2004
How Discovered:	Other Means
How Discovered Description:	PIPING AND DISPENSER UPGRADE
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Other Means
Stop Description:	REPLACE PIPING **NO DATE PROVIDED FOR THE DATE DISCHARGE WAS STOPPED.
No Further Action Date:	07/07/2006
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	Not reported

LUST:

Global Id:	T0606555198
Contact Type:	Regional Board Caseworker
Contact Name:	Phan Le
Organization Name:	COLORADO RIVER BASIN RWQCB (REGION 7)
Address:	73720 FRED WARING DRIVE SUITE #100
City:	PALM DESERT
Email:	phan.le@waterboards.ca.gov
Phone Number:	7607768974

LUST:

Global Id:	T0606555198
Action Type:	Other
Date:	02/25/2004
Action:	Leak Reported

Global Id:	T0606555198
Action Type:	ENFORCEMENT
Date:	02/08/2006
Action:	Technical Correspondence / Assistance / Other

EL SUPER TORO LOCO #3 (Continued) **S106448060**

Global Id: T0606555198
Action Type: ENFORCEMENT
Date: 04/27/2006
Action: File review

Global Id: T0606555198
Action Type: ENFORCEMENT
Date: 07/07/2006
Action: Closure/No Further Action Letter

Global Id: T0606555198
Action Type: Other
Date: 02/25/2004
Action: Leak Stopped

Global Id: T0606555198
Action Type: ENFORCEMENT
Date: 07/06/2006
Action: File review - #RCDEH Upload Site File 10/15/2014

Global Id: T0606555198
Action Type: Other
Date: 02/25/2004
Action: Leak Discovery

Global Id: T0606555198
Action Type: REMEDIATION
Date: 02/25/2004
Action: Other (Use Description Field)

LUST:
Global Id: T0606555198
Status: Open - Case Begin Date
Status Date: 02/25/2004

Global Id: T0606555198
Status: Open - Site Assessment
Status Date: 02/25/2004

Global Id: T0606555198
Status: Completed - Case Closed
Status Date: 07/07/2006

RIVERSIDE CO. LUST:
Name: EL SUPER TORO LOCO #3
Address: 52051 GRAPEFRUIT BLVD
City,State,Zip: COACHELLA, CA
Region: RIVERSIDE
Facility ID: 200420349
Employee: Shurlow-LOP
Site Closed: Yes
Case Type: Other ground water affected
Facility Status: closed/action completed
Casetype Decode: Other Ground Water. Any other actual or potential use other than Drinking water or not beneficial use.
Fstatus Decode: Closed/Action completed

EL SUPER TORO LOCO #3 (Continued) **S106448060**

CORTESE:

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0606555198
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Site ID:	728205
CERS ID:	T0606555198
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Phan Le - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title:	Not reported
Affiliation Address:	73720 FRED WARING DRIVE SUITE #100
Affiliation City:	PALM DESERT
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7607768974,

C16 **EL SUPER TORO LOCO #3** **UST FINDER RELEASE** **1028952357**
North **52051 GRAPEFRUIT AVENUE** **N/A**
1/4-1/2 **COACHELLA, CA 92236**
0.316 mi.
1667 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
-82 ft.

UST FINDER RELEASE:

Object ID:	74686
Facility ID:	Not reported
Lust ID:	CAT0606555198
Name:	EL SUPER TORO LOCO #3

EL SUPER TORO LOCO #3 (Continued) **1028952357**

Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	882
Domestic Wells within 1500ft:	3
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	CA3301373_39302
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	181002010802
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.16605
Y Coord:	33.6708600000001
Latitude:	33.6708599999999
Longitude:	-116.166049999999

D17 **KOOLCO** **UST FINDER RELEASE** **1029009157**
NNE **52112 INDUSTRIAL WAY** **N/A**
1/4-1/2 **COACHELLA, CA 92236**
0.346 mi.
1827 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
-84 ft.

UST FINDER RELEASE:

Object ID:	74697
Facility ID:	Not reported
Lust ID:	CAT0606500956
Name:	KOOLCO
Address:	52112 INDUSTRIAL WAY
City,State,Zip:	COACHELLA, CA 92236
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	561
Domestic Wells within 1500ft:	5
Land Use:	Developed, Medium Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported

KOOLCO (Continued) **1029009157**

Within WHPA:	Yes
WHPA PWS Facility ID:	CA3301373_39302
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	181002010802
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.16228
Y Coord:	33.6698200000001
Latitude:	33.66982
Longitude:	-116.162279999999

D18 **GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.** **LUST** **S102432283**
NNE **52112 INDUSTRIAL WAY** **CERS HAZ WASTE** **N/A**
1/4-1/2 **COACHELLA, CA 92236** **Cortese**
0.346 mi. **HIST CORTESE**
1827 ft. **Site 2 of 2 in cluster D** **CERS**

Relative: Higher

Actual: -84 ft.

LUST:

Name:	KOOLCO
Address:	52112 INDUSTRIAL WAY
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500956
Global Id:	T0606500956
Latitude:	33.6700739998701
Longitude:	-116.161169717258
Status:	Completed - Case Closed
Status Date:	12/21/1994
Case Worker:	RIV
RB Case Number:	7T2236026
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	94340
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	04/26/1994
Leak Reported Date:	04/26/1994
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Tank
Discharge Cause:	Corrosion
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	12/21/1994
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Dwr Groundwater Subbasin Name: Coachella Valley - Indio (7-021.01)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 70-75%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: COLORADO RIVER BASIN RWQCB (REGION 7)
Site History: Not reported

LUST:
Global Id: T0606500956
Contact Type: Regional Board Caseworker
Contact Name: Phan Le
Organization Name: COLORADO RIVER BASIN RWQCB (REGION 7)
Address: 73720 FRED WARING DRIVE SUITE #100
City: PALM DESERT
Email: phan.le@waterboards.ca.gov
Phone Number: 7607768974

Global Id: T0606500956
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:
Global Id: T0606500956
Action Type: ENFORCEMENT
Date: 04/15/2008
Action: File review

Global Id: T0606500956
Action Type: Other
Date: 04/26/1994
Action: Leak Reported

Global Id: T0606500956
Action Type: ENFORCEMENT
Date: 11/18/2008
Action: Closure/No Further Action Letter - #Site Closure

Global Id: T0606500956
Action Type: RESPONSE
Date: 04/15/2008
Action: Other Report / Document

Global Id: T0606500956
Action Type: ENFORCEMENT
Date: 11/17/2008
Action: File review - #RCDEH Upload Site File 6/5/2015

Global Id: T0606500956
Action Type: Other
Date: 04/26/1994

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Action: Leak Discovery

LUST:
Global Id: T0606500956
Status: Open - Case Begin Date
Status Date: 04/26/1994

Global Id: T0606500956
Status: Open - Site Assessment
Status Date: 04/26/1994

Global Id: T0606500956
Status: Open - Site Assessment
Status Date: 04/30/1994

Global Id: T0606500956
Status: Open - Remediation
Status Date: 05/04/1994

Global Id: T0606500956
Status: Open - Site Assessment
Status Date: 05/04/1994

Global Id: T0606500956
Status: Completed - Case Closed
Status Date: 12/21/1994

LUST REG 7:
Region: 7
Status: 9 - Case Closed
Case Num: 7T2236026
Substance: Gasoline - Automotive
ID: 881
Global ID: T0606500956
Lead Agency: Local Agency
Case Worker: RT

RIVERSIDE CO. LUST:
Name: KOOLCO
Address: 52112 INDUSTRIAL WAY
City,State,Zip: COACHELLA, CA
Region: RIVERSIDE
Facility ID: 94340
Employee: Hoy
Site Closed: Yes
Case Type: Ground water
Facility Status: closed/action completed
Casetype Decode: Groundwater is impacted
Fstatus Decode: Closed/Action completed

CERS HAZ WASTE:
Name: GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Address: 52112 INDUSTRIAL WAY
City,State,Zip: COACHELLA, CA 92236

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Site ID: 776127
CERS ID: 10318324
CERS Description: Hazardous Chemical Management

CORTESE:
Name: KOOLCO
Address: 52112 INDUSTRIAL WAY
City,State,Zip: COACHELLA, CA 92236
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606500956
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: KOOLCOO
edr_fadd1: 52112 INDUSTRIAL
City,State,Zip: COACHELLA, CA 92236
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 7T2236026

CERS:
Name: GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Address: 52112 INDUSTRIAL WAY
City,State,Zip: COACHELLA, CA 92236
Site ID: 776127
CERS ID: 10318324
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 776127
Site Name: GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Violation Date: 05-09-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Violation Notes:	Returned to compliance on 01/16/2019. facility is out of business
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	776127
Site Name:	GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Violation Date:	08-29-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/16/2019. facility is out of business
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	776127
Site Name:	GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Violation Date:	06-12-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/16/2019. facility is out of business
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	776127
Site Name:	GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Violation Date:	07-19-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/16/2019. facility is out of business
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	776127
Site Name:	GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Violation Date:	05-09-2017
Citation:	19 CCR 4.5 2735.5(b)(2) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2735.5(b)(2)
Violation Description:	Failure to include a registration in the Risk Management Plan that reflects all covered processes.
Violation Notes:	Returned to compliance on 05/10/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	776127

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Site Name: GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Violation Date: 05-09-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/16/2019. facility is out of business
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 06-12-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-19-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection (with Wes and Mike)
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CALARP Inspection Onsite
Eval Division: Riverside County Department of Env Health
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-29-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Enforcement Action:

Site ID:	776127
Site Name:	GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Site Address:	52112 INDUSTRIAL WAY
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	08-29-2018
Enf Action Type:	AEO - Unified Program
Enf Action Description:	Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:	Not reported
Enf Action Division:	Riverside County Department of Env Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	776127
Facility Name:	GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P.
Env Int Type Code:	CalARP
Program ID:	10318324
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.670150
Longitude:	-116.161750

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Javier Padilla
Entity Title:	Facility Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Nick Bozick
Entity Title:	Not reported
Affiliation Address:	52112 Industrial Way
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92236
Affiliation Phone:	(760) 831-1717,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,
Affiliation Type Desc:	Operator

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Entity Name:	Majestic Star, LLC - Attn: Javier Padilla
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(442) 966-0561,
Affiliation Type Desc:	Document Preparer
Entity Name:	Resource Compliance
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Javier Padilla
Entity Title:	Not reported
Affiliation Address:	52112 Industrial Way
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	52112 Industrial Way
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Majestic Star, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	KOOLCO
Address:	52112 INDUSTRIAL WAY
City,State,Zip:	COACHELLA, CA 92236
Site ID:	739901
CERS ID:	T0606500956
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

GRAPEMAN FARMS COACHELLA COLDSTORAGE L.P. (Continued) **S102432283**

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: Riverside County LOP - RIVERSIDE COUNTY LOP
- Entity Title: Not reported
- Affiliation Address: 3880 LEMON ST SUITE 200
- Affiliation City: RIVERSIDE
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 9519558980,

- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: Phan Le - COLORADO RIVER BASIN RWQCB (REGION 7)
- Entity Title: Not reported
- Affiliation Address: 73720 FRED WARING DRIVE SUITE #100
- Affiliation City: PALM DESERT
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 7607768974,

E19 **CIL/ WATER DISTRICT** **Notify 65** **S100179139**
North **85-820 COACHELIA HTS** **N/A**
1/4-1/2 **COACHELLA, CA 92236**
0.379 mi.
2001 ft. **Site 1 of 2 in cluster E**

Relative: **Higher**
Actual: **-81 ft.**

NOTIFY 65:
- Name: CIL/ WATER DISTRICT
- Address: 85-820 COACHELIA HTS
- City,State,Zip: COACHELLA, CA 92236
- Date Reported: Not reported
- Staff Initials: Not reported
- Board File Number: Not reported
- Facility Type: Not reported
- Discharge Date: Not reported
- Issue Date: Not reported
- Incident Description: Not reported
- Global ID: Not reported
- Status: Not reported

E20 **COACHELLA VALLEY WATER DIST.** **Notify 65** **U000031948**
North **85-820 COACHELLA HEIGHTS** **N/A**
1/4-1/2 **COACHELLA, CA 92236**
0.379 mi.
2001 ft. **Site 2 of 2 in cluster E**

Relative: **Higher**
Actual: **-81 ft.**

NOTIFY 65:
- Name: COACHELLA VALLEY WATER DIST.
- Address: 85-820 COACHELLA HEIGHTS
- City,State,Zip: COACHELLA, CA 92236
- Date Reported: Not reported
- Staff Initials: Not reported
- Board File Number: Not reported
- Facility Type: Not reported

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

COACHELLA VALLEY WATER DIST. (Continued) **U000031948**

Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

F21 **SANTA FE PACIFIC PIPELIE COACHELL - JONES BROS. CO** **CPS-SLIC** **S106388952**
North **85989 AVENUE 52** **N/A**
1/4-1/2 **COACHELLA, CA 92274**
0.398 mi.
2100 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
-81 ft.

SLIC REG 7:
Region: 7
Responsible Party Name: Santa Fe Pacific Pipelines
Facility Status: Active
SLIC File Code: SFPPC
Township / Range: Not reported
Hydrologic Unit: Not reported
Groundwater Levels: 8-16 feet depth to GW
Case Reference: 7SLC3300010
Consultant ID: 19
Agency ID: Not reported

CPS-SLIC:
Name: KINDER MORGAN ENERGY PARTNERS (FORMER SANTA FE PACIFIC PIPELINE PARTNERS - 52ND AVE/HWY)
Address: 85989 AVENUE 52
City,State,Zip: COACHELLA, CA
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 05/06/2016
Global Id: SL0606535159
Lead Agency: COLORADO RIVER BASIN RWQCB (REGION 7)
Lead Agency Case Number: Not reported
Latitude: 33.671097
Longitude: -116.164662
Case Type: Cleanup Program Site
Case Worker: TI
Local Agency: Not reported
RB Case Number: SFPPC
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Other Petroleum
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 06/14/1990
Leak Reported Date: 06/15/1990
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: Not reported

SANTA FE PACIFIC PIPELIE COACHELL - JONES BROS. CONST. COACH (Continued) **S106388952**

CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	71-75%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

F22 **COACHELLA VALLEY WATER DISTRICT** **UST FINDER RELEASE** **1028938551**
North **85995 AVENUE 52** **N/A**
1/4-1/2 **COACHELLA, CA 92236**
0.401 mi.
2118 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
-81 ft.

UST FINDER RELEASE:

Object ID:	74690
Facility ID:	Not reported
Lust ID:	CAT10000002057
Name:	COACHELLA VALLEY WATER DISTRICT
Address:	85995 AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Address Match Type:	StreetAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	815
Domestic Wells within 1500ft:	7
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	CA3301373_39302
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	181002010802
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.16407
Y Coord:	33.6712400000001
Latitude:	33.6712399999999
Longitude:	-116.164069999999

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
F23	**COACHELLA VALLEY WATER DISTRICT**	**LUST**	**S110455372**
North	**85995 AVENUE 52**	**Cortese**	**N/A**
1/4-1/2	**COACHELLA, CA 92236**	**Notify 65**	
0.401 mi.		**CERS**	
2118 ft.	**Site 3 of 3 in cluster F**		

Relative:
Higher

Actual:
-81 ft.

LUST:

Name:	COACHELLA VALLEY WATER DISTRICT
Address:	85995 AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002057
Global Id:	T10000002057
Latitude:	33.671568491458
Longitude:	-116.16466999054
Status:	Completed - Case Closed
Status Date:	01/13/2011
Case Worker:	Not reported
RB Case Number:	7T2236037
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	201033973
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	04/15/2010
Leak Reported Date:	06/01/2010
How Discovered:	Line Tightness Test
How Discovered Description:	annual spill bucket testing
Discharge Source:	Other
Discharge Cause:	Physc / Mech Damage
Stop Method:	Replace product piping
Stop Description:	replace spill bucket
No Further Action Date:	01/13/2011
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%
CA Enviroscreen 4 Score:	85-90%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	On April 15, 2010, soil samples were taken during a spill bucket replacement at the waste oil tank. 3.1 ppb tetrachloroethene was detected 2 under the spill bucket. CVWD decided to try to dig out the tetrachloroethene. They dug to the top of the tank on May 17, 2010. 4 soil samples were taken. Up to 29 ppm TPHoil and 71 ppm TPHd was detected. The site was placed into LOP due to increasing TPHd and TPHoil with depth and groundwater levels of ~20 . (The water table has been dropping over the past decade, previously it had been as shallow as 12 .) The Water District decided to remove the tank and replace it with an above ground tank. On October 28, 2010, the tank was removed. The tank pull contractor stated that a vent line had been connected to the tank and was capped below grade. The line had corroded and there were holes in it. Whenever the tank was

COACHELLA VALLEY WATER DISTRICT (Continued) **S110455372**

overfilled, the waste oil would leak into the surrounding soils. The soil around the vent line was dug out and containerized in two drums. 1 confirmation sample was taken beneath the former tank at 11 and analyzed. The 14 sample was held awaiting the results of the 11 sample. The 11 sample had ND <0.1 ppm TPHg, 3.9 ppm TPHd, and ND BTEX and VOCs. One soil sample was also taken from each of the two drums and labeled A and B. The A drum sampled had ND<0.1 ppm TPHg, 125 ppm TPHd, and 2720 ppm TPHmotor oil. The B drum sample had 1.88 ppm TPHg, 7960 ppm TPHd, 9260 ppm TPHmotor oil, 5.03 ppb 1,3,5-TMB, 2.66 ppb 1,2,4-TMB and 2.88 ppb naphthalene. RWQCB and Riv Co concur with closure. Case closed 1/13/2011.

LUST:

Global Id:	T10000002057
Action Type:	ENFORCEMENT
Date:	01/13/2011
Action:	Closure/No Further Action Letter - #RCDEH closure
Global Id:	T10000002057
Action Type:	Other
Date:	04/15/2010
Action:	Leak Stopped
Global Id:	T10000002057
Action Type:	RESPONSE
Date:	08/05/2010
Action:	Preliminary Site Assessment Workplan
Global Id:	T10000002057
Action Type:	ENFORCEMENT
Date:	02/10/2011
Action:	File review - #RCDEH Case file
Global Id:	T10000002057
Action Type:	Other
Date:	06/01/2010
Action:	Leak Discovery
Global Id:	T10000002057
Action Type:	REMEDIATION
Date:	04/15/2010
Action:	Excavation
Global Id:	T10000002057
Action Type:	ENFORCEMENT
Date:	06/01/2010
Action:	Notice of Responsibility - #RCDEH 061010
Global Id:	T10000002057
Action Type:	ENFORCEMENT
Date:	06/01/2010
Action:	Notification - Proposition 65 - #RCDEH 060110
Global Id:	T10000002057
Action Type:	ENFORCEMENT
Date:	06/01/2010
Action:	Staff Letter - #RCDEH 060110

COACHELLA VALLEY WATER DISTRICT (Continued) **S110455372**

Global Id: T10000002057
Action Type: ENFORCEMENT
Date: 06/01/2010
Action: Notice of Reimbursement - #RCDEH 060110

Global Id: T10000002057
Action Type: ENFORCEMENT
Date: 06/01/2010
Action: Unauthorized Release Form - #RCDEH 060110

Global Id: T10000002057
Action Type: Other
Date: 06/01/2010
Action: Leak Reported

LUST:
Global Id: T10000002057
Status: Open - Case Begin Date
Status Date: 04/15/2010

Global Id: T10000002057
Status: Open - Site Assessment
Status Date: 06/03/2010

Global Id: T10000002057
Status: Completed - Case Closed
Status Date: 01/13/2011

RIVERSIDE CO. LUST:
Name: COACHELLA VALLEY WATER DISTRICT
Address: 85995 AVE 52
City,State,Zip: COACHELLA, CA
Region: RIVERSIDE
Facility ID: 201033973
Employee: Shurlow-LOP
Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed
Casetype Decode: Soil only is impacted
Fstatus Decode: Closed/Action completed

CORTESE:
Name: COACHELLA VALLEY WATER DISTRICT
Address: 85995 AVENUE 52
City,State,Zip: COACHELLA, CA 92236
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000002057
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported

COACHELLA VALLEY WATER DISTRICT (Continued) **S110455372**

Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

NOTIFY 65:

Name:	COACHELLA VALLEY WATER DISTRCT
Address:	85995 AVENUE 52
City,State,Zip:	COACHELLA, CA 85995
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

Name:	COACHELLA VALLEY WATER DISTRICT
Address:	85995 AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	06/01/2010
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

CERS:

Name:	COACHELLA VALLEY WATER DISTRICT
Address:	85995 AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Site ID:	722822
CERS ID:	T10000002057
CERS Description:	Leaking Underground Storage Tank Cleanup Site

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
24 **SE** **1/4-1/2** **0.418 mi.** **2207 ft.**	**IMPERIAL WESTERN PRODUCTS, INC.** **, CA**	**LA CO LF METHANE**	**S127128205** **N/A**

Relative: **Lower**

Actual: **-99 ft.**

LA CO LF METHANE:

Name:	IMPERIAL WESTERN PRODUCTS, INC.
Address:	Not reported
City,State,Zip:	CA
Site Number:	2747
Status:	Not reported
Description:	Not reported
Operator Name:	Not reported
Operator Telephone:	Not reported
Sup District:	Not reported
Shape Length:	313.76070000200
Shape Area:	7814.1692946900
Latitude:	33.65668784
Longitude:	-116.15859

---

25 **ESE** **1/4-1/2** **0.436 mi.** **2301 ft.**	**WILBUR-ELLIS CO** **53901 HWY 111 AT AVE 54** **THERMAL, CA 92274**	**SEMS-ARCHIVE** **RCRA NonGen / NLR** **FINDS** **ECHO**	**1000165156** **CAD051971075**

Relative: **Lower**

Actual: **-98 ft.**

SEMS Archive:

Site ID:	0901422
EPA ID:	CAD051971075
Name:	WILBUR-ELLIS CO
Address:	53901 HWY 111 AT AVE 54
Address 2:	Not reported
City,State,Zip:	THERMAL, CA 92274
Cong District:	43
FIPS Code:	06065
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901422
EPA ID:	CAD051971075
Site Name:	WILBUR-ELLIS CO
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1983-04-01 05:00:00
Qual:	L
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901422
EPA ID:	CAD051971075
Site Name:	WILBUR-ELLIS CO

WILBUR-ELLIS CO (Continued) **1000165156**

NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: Not reported
Finish Date: 1989-06-13 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901422
EPA ID: CAD051971075
Site Name: WILBUR-ELLIS CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-08-01 04:00:00
Finish Date: 1980-08-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901422
EPA ID: CAD051971075
Site Name: WILBUR-ELLIS CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-06-13 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

RCRA Listings:
Date Form Received by Agency: 19800818
Handler Name: Wilbur-Ellis Co
Handler Address: 53901 Hwy 111 At Ave 54
Handler City,State,Zip: THERMAL, CA 92274
EPA ID: CAD051971075
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 53901 HWY FIRST HUNDRED ELEVEN
Contact City,State,Zip: THERMAL, CA 92274
Contact Telephone: 209-226-1811
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other

WILBUR-ELLIS CO (Continued) **1000165156**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Ca
State District:	4
Mailing Address:	P O BOX 172
Mailing City,State,Zip:	THERMAL, CA 92274
Owner Name:	Imperial West Product
Owner Type:	Private
Operator Name:	Lee W & Jeanette G Trawick
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Owner

WILBUR-ELLIS CO (Continued) **1000165156**

Owner/Operator Name: IMPERIAL WEST PRODUCT
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LEE W & JEANETTE G TRAWICK
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19800818
Handler Name: WILBUR-ELLIS CO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110005994102

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

WILBUR-ELLIS CO (Continued) **1000165156**

Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000165156
Registry ID:	110005994102
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005994102
Name:	WILBUR-ELLIS CO
Address:	53901 HWY 111 AT AVE 54
City,State,Zip:	THERMAL, CA 92274

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26 **COACHELLA VALLEY WATER DISTRICT** **LUST** **S104160630**
NE **85820 COACHELLA HEIGHTS** **Cortese** **N/A**
1/4-1/2 **COACHELLA, CA 92236** **HIST CORTESE**
0.436 mi. **CERS**
2303 ft.

Relative: **Higher**

Actual: **-86 ft.**

LUST:

Name:	COACHELLA VALLEY WATER DISTRICT
Address:	85820 COACHELLA HEIGHTS
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T060657197
Global Id:	T060657197
Latitude:	33.6716716488598
Longitude:	-116.165428285645
Status:	Completed - Case Closed
Status Date:	04/29/2005
Case Worker:	RIV
RB Case Number:	7T2236031
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Not reported
Local Case Number:	200218179
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	12/04/2001
Leak Reported Date:	02/05/2002
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Piping
Discharge Cause:	Other
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	04/29/2005
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

CA Enviroscreen 4 Score: 85-90%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: COLORADO RIVER BASIN RWQCB (REGION 7)
Site History: Not reported

LUST:
Global Id: T060657197
Contact Type: Regional Board Caseworker
Contact Name: Phan Le
Organization Name: COLORADO RIVER BASIN RWQCB (REGION 7)
Address: 73720 FRED WARING DRIVE SUITE #100
City: PALM DESERT
Email: phan.le@waterboards.ca.gov
Phone Number: 7607768974

Global Id: T060657197
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:
Global Id: T060657197
Action Type: ENFORCEMENT
Date: 09/30/2002
Action: * Historical Enforcement

Global Id: T060657197
Action Type: Other
Date: 02/05/2002
Action: Leak Reported

Global Id: T060657197
Action Type: Other
Date: 12/04/2001
Action: Leak Stopped

Global Id: T060657197
Action Type: ENFORCEMENT
Date: 04/29/2005
Action: File review

Global Id: T060657197
Action Type: Other
Date: 01/02/2002
Action: Leak Discovery

Global Id: T060657197
Action Type: ENFORCEMENT
Date: 03/17/2003
Action: Technical Correspondence / Assistance / Other

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

LUST:

Global Id:	T060657197
Status:	Open - Case Begin Date
Status Date:	12/04/2001
Global Id:	T060657197
Status:	Open - Site Assessment
Status Date:	01/02/2002
Global Id:	T060657197
Status:	Open - Site Assessment
Status Date:	05/29/2002
Global Id:	T060657197
Status:	Completed - Case Closed
Status Date:	04/29/2005

Name:	COACHELLA VALLEY WATER DISTRICT
Address:	85820 COACHELLA HEIGHTS
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500943
Global Id:	T0606500943
Latitude:	33.6721611359944
Longitude:	-116.165527060956
Status:	Completed - Case Closed
Status Date:	08/26/1996
Case Worker:	RIV
RB Case Number:	7T2236013
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	89651
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	04/13/1989
Leak Reported Date:	06/14/1989
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Tank
Discharge Cause:	Corrosion
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	08/26/1996
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%
CA Enviroscreen 4 Score:	85-90%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

Site History: Not reported

LUST:
Global Id: T0606500943
Contact Type: Regional Board Caseworker
Contact Name: Phan Le
Organization Name: COLORADO RIVER BASIN RWQCB (REGION 7)
Address: 73720 FRED WARING DRIVE SUITE #100
City: PALM DESERT
Email: phan.le@waterboards.ca.gov
Phone Number: 7607768974

Global Id: T0606500943
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:
Global Id: T0606500943
Action Type: Other
Date: 06/14/1989
Action: Leak Discovery

Global Id: T0606500943
Action Type: Other
Date: 06/14/1989
Action: Leak Reported

Global Id: T0606500943
Action Type: ENFORCEMENT
Date: 07/29/1996
Action: Closure/No Further Action Letter - #Riv Co Closure

Global Id: T0606500943
Action Type: Other
Date: 04/13/1989
Action: Leak Stopped

Global Id: T0606500943
Action Type: ENFORCEMENT
Date: 07/28/1996
Action: File review - #RCDEH Upload Site File 5/29/2015

LUST:
Global Id: T0606500943
Status: Open - Case Begin Date
Status Date: 04/13/1989

Global Id: T0606500943
Status: Open - Site Assessment
Status Date: 06/14/1989

Global Id: T0606500943

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

Status: Open - Site Assessment
Status Date: 07/20/1989

Global Id: T0606500943
Status: Open - Site Assessment
Status Date: 09/26/1989

Global Id: T0606500943
Status: Open - Site Assessment
Status Date: 02/02/1990

Global Id: T0606500943
Status: Open - Remediation
Status Date: 01/10/1991

Global Id: T0606500943
Status: Open - Remediation
Status Date: 02/06/1991

Global Id: T0606500943
Status: Completed - Case Closed
Status Date: 08/26/1996

LUST REG 7:
Region: 7
Status: 9 - Case Closed
Case Num: 7T2236013
Substance: Gasoline - Automotive
ID: 662
Global ID: T0606500943
Lead Agency: Local Agency
Case Worker: RT

RIVERSIDE CO. LUST:
Name: CVWD
Address: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA
Region: RIVERSIDE
Facility ID: 89651
Employee: Shurlow-LOP
Site Closed: Yes
Case Type: Ground water
Facility Status: closed/action completed
Casetype Decode: Groundwater is impacted
Fstatus Decode: Closed/Action completed

Name: COACHELLA VALLEY WATER DISTRICT
Address: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA
Region: RIVERSIDE
Facility ID: 200218179
Employee: Shurlow-LOP
Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

Casetype Decode: Soil only is impacted
Fstatus Decode: Closed/Action completed

CORTESE:
Name: COACHELLA VALLEY WATER DISTRICT
Address: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA 92236
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606500943
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: COACHELLA VALLEY WATER DISTRICT
Address: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA 92236
Region: CORTESE
Envirostor Id: Not reported
Global ID: T060657197
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: COACHELLA VALLEY WATER DI

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

edr_fadd1: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA 92236
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 7T2236013

CERS:
Name: COACHELLA VALLEY WATER DISTRICT
Address: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA 92236
Site ID: 722820
CERS ID: T0606500943
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Phan Le - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title: Not reported
Affiliation Address: 73720 FRED WARING DRIVE SUITE #100
Affiliation City: PALM DESERT
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7607768974,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: Riverside County LOP - RIVERSIDE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 3880 LEMON ST SUITE 200
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9519558980,

Name: COACHELLA VALLEY WATER DISTRICT
Address: 85820 COACHELLA HEIGHTS
City,State,Zip: COACHELLA, CA 92236
Site ID: 722820
CERS ID: T060657197
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Phan Le - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title: Not reported
Affiliation Address: 73720 FRED WARING DRIVE SUITE #100
Affiliation City: PALM DESERT
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7607768974,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: Riverside County LOP - RIVERSIDE COUNTY LOP
Entity Title: Not reported

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

COACHELLA VALLEY WATER DISTRICT (Continued) **S104160630**

Affiliation Address:	3880 LEMON ST SUITE 200
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9519558980,

G27 **CIRCLE K / FORMER** **LUST** **S101307968**
North **51989 GRAPEFRUIT BLVD** **Cortese** **N/A**
1/4-1/2 **COACHELLA, CA 92236** **HIST CORTESE**
0.441 mi. **CERS**
2331 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
-80 ft.

LUST:

Name:	CIRCLE K / FORMER
Address:	51989 GRAPEFRUIT BLVD
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500955
Global Id:	T0606500955
Latitude:	33.6713497958911
Longitude:	-116.166947393848
Status:	Completed - Case Closed
Status Date:	12/12/2002
Case Worker:	RIV
RB Case Number:	7T2236025
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	93587
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	06/22/1993
Leak Reported Date:	06/22/1993
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Tank
Discharge Cause:	Physc / Mech Damage
Stop Method:	Other Means
Stop Description:	see case file
No Further Action Date:	12/12/2002
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%
CA Enviroscreen 4 Score:	85-90%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	Not reported

LUST:

Global Id:	T0606500955

CIRCLE K / FORMER (Continued) **S101307968**

Contact Type: Regional Board Caseworker
Contact Name: Phan Le
Organization Name: COLORADO RIVER BASIN RWQCB (REGION 7)
Address: 73720 FRED WARING DRIVE SUITE #100
City: PALM DESERT
Email: phan.le@waterboards.ca.gov
Phone Number: 7607768974

Global Id: T0606500955
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:

Global Id: T0606500955
Action Type: ENFORCEMENT
Date: 12/12/2002
Action: Closure/No Further Action Letter

Global Id: T0606500955
Action Type: Other
Date: 06/22/1993
Action: Leak Reported

Global Id: T0606500955
Action Type: ENFORCEMENT
Date: 11/27/2007
Action: File review

Global Id: T0606500955
Action Type: ENFORCEMENT
Date: 12/12/2002
Action: Closure/No Further Action Letter - #Riv Co Closure

Global Id: T0606500955
Action Type: RESPONSE
Date: 03/16/2009
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0606500955
Action Type: Other
Date: 06/22/1993
Action: Leak Stopped

Global Id: T0606500955
Action Type: REMEDIATION
Date: 06/22/1993
Action: Excavation

Global Id: T0606500955
Action Type: ENFORCEMENT
Date: 12/11/2002
Action: File review - #RCDEH Upload Site File 10/15/2014

CIRCLE K / FORMER (Continued) **S101307968**

Global Id: T0606500955
Action Type: Other
Date: 06/22/1993
Action: Leak Discovery

Global Id: T0606500955
Action Type: RESPONSE
Date: 03/16/2009
Action: Other Workplan

LUST:
Global Id: T0606500955
Status: Open - Case Begin Date
Status Date: 06/22/1993

Global Id: T0606500955
Status: Open - Remediation
Status Date: 06/22/1993

Global Id: T0606500955
Status: Open - Site Assessment
Status Date: 06/22/1993

Global Id: T0606500955
Status: Completed - Case Closed
Status Date: 12/12/2002

LUST REG 7:
Region: 7
Status: 9 - Case Closed
Case Num: 7T2236025
Substance: Gasoline - Automotive
ID: 772
Global ID: T0606500955
Lead Agency: Local Agency
Case Worker: YO

RIVERSIDE CO. LUST:
Name: CIRCLE K / FORMER
Address: 51989 GRAPEFRUIT BLVD
City,State,Zip: COACHELLA, CA
Region: RIVERSIDE
Facility ID: 93587
Employee: Shurlow-LOP
Site Closed: Yes
Case Type: Other ground water affected
Facility Status: closed/action completed
Casetype Decode: Other Ground Water. Any other actual or potential use other than Drinking water or not beneficial use.
Fstatus Decode: Closed/Action completed

CORTESE:
Name: CIRCLE K / FORMER
Address: 51989 GRAPEFRUIT BLVD
City,State,Zip: COACHELLA, CA 92236

CIRCLE K / FORMER (Continued) **S101307968**

Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0606500955
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	FORMER CIRCLE K
edr_fadd1:	51989 GRAPEFRUIT
City,State,Zip:	COACHELLA, CA
Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	7T2236025

CERS:

Name:	CIRCLE K / FORMER
Address:	51989 GRAPEFRUIT BLVD
City,State,Zip:	COACHELLA, CA 92236
Site ID:	721815
CERS ID:	T0606500955
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Phan Le - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title:	Not reported
Affiliation Address:	73720 FRED WARING DRIVE SUITE #100
Affiliation City:	PALM DESERT
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7607768974,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	Riverside County LOP - RIVERSIDE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	3880 LEMON ST SUITE 200
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

CIRCLE K / FORMER (Continued) **S101307968**

Affiliation Zip: Not reported
Affiliation Phone: 9519558980,

G28 **CIRCLE K / FORMER** **UST FINDER RELEASE** **1028935796**
North **51989 GRAPEFRUIT BLVD** **N/A**
1/4-1/2 **COACHELLA, CA 92236**
0.441 mi.
2331 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
-80 ft.

UST FINDER RELEASE:

Object ID:	74685
Facility ID:	Not reported
Lust ID:	CAT0606500955
Name:	CIRCLE K / FORMER
Address:	51989 GRAPEFRUIT BLVD
City,State,Zip:	COACHELLA, CA 92236
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	950
Domestic Wells within 1500ft:	3
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	CA3301373_39302
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	181002010802
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.16668
Y Coord:	33.6715600000001
Latitude:	33.6715599999999
Longitude:	-116.166679999999

29 ESE 1/2-1 0.570 mi. 3010 ft.

OCCIDENTIAL CHEMICAL COMPANY
53901 HIGHWAY 111 AT AVENUE 54
THERMAL, CA 92274

ENVIROSTOR **S100201788**
N/A

Relative: Lower

Actual: -97 ft.

ENVIROSTOR:

Name:	OCCIDENTIAL CHEMICAL COMPANY
Address:	53901 HIGHWAY 111 AT AVENUE 54
City,State,Zip:	THERMAL, CA 92274
Facility ID:	33280088
Status:	Refer: Other Agency
Status Date:	06/27/1983
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	36
Senate:	18
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.65731
Longitude:	-116.1546
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	BAGGIE AGRICULTURAL SUPPLY COMPANY
Alias Type:	Alternate Name
Alias Name:	WILBUR ELLIS.
Alias Type:	Alternate Name
Alias Name:	33280088
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/25/1994
Comments:	CalSites Validation Program confirms NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	01/23/1991
Comments:	PA Reassessment report was reviewed by Region 4 staff. GW in the Coachella Valley - Thermal area is 500 to 1000 feet below ground surface. In 1985, a fire at the Wilber Ellis chem. facility consumed 25 tons of pesticides and fertiliz- ers in 4 days. Post fire cleanup was removal of all remai- ning materials. Staff recommends NFA by Site Mitigation.

OCCIDENTIAL CHEMICAL COMPANY (Continued) **S100201788**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	01/21/1983
Comments:	FACILITY IDENTIFIED ID FROM OLD PHONE BOOK SEARCH -1972 FERTILIZER MFG Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

30
ESE
1/2-1
0.644 mi.
3400 ft.

RANCHO COACHELLA PROPERTIES **Notify 65** **S100225026**
54000 HIGHWAY 111 **N/A**
COACHELLA, CA 92236

Relative:
Lower

Actual:
-99 ft.

NOTIFY 65:

Name:	RANCHO COACHELLA PROPERTIES
Address:	54000 HIGHWAY 111
City,State,Zip:	COACHELLA, CA 92236
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

31
NNW
1/2-1
0.779 mi.
4115 ft.

BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT **ENVIROSTOR** **S107735933**
85-358 BAGDAD AVENUE **SCH** **N/A**
COACHELLA, CA 92236

Relative:
Higher

Actual:
-70 ft.

ENVIROSTOR:

Name:	BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT
Address:	85-358 BAGDAD AVENUE
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	60000155
Status:	Inactive - Withdrawn
Status Date:	06/04/2007
Site Code:	404680
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12.92
NPL:	NO
Regulatory Agencies:	SMBRP

BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT (Continued) **S107735933**

Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 36
Senate: 18
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.67387
Longitude: -116.1753
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Chlordane DDD DDE DDT Dioxin (as 2,3,7,8-TCDD TEQ Lead Polychlorinated biphenyls (PCBs
Confirmed COC: 30018-NO 30004-NO 30006-NO 30007-NO 30008-NO 30009-NO 30013-NO
Potential Description: SOIL
Alias Name: 404680
Alias Type: Project Code (Site Code)
Alias Name: 60000155
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/23/2007
Comments: No further action in respect to Area 1 consisting of 12.92 acres. Area 2 will be address in the SSI.

Completed Area Name: Area 2- Area requiring Further Action
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 04/09/2007
Comments: Not reported

Completed Area Name: Area 2- Area requiring Further Action
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/05/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/08/2007
Comments: Signed Agreement sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1

BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT (Continued) **S107735933**

Completed Date:	02/17/2006
Comments:	The District recommended an PEA report in the Phase One report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/04/2007
Comments:	Completed CRU Memo
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/30/2006
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT
Address:	85-358 BAGDAD AVENUE
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	60000155
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	12.92
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404680
Assembly:	36
Senate:	18
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	06/04/2007
Restricted Use:	NO
Funding:	School District
Latitude:	33.67387
Longitude:	-116.1753
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Chlordane, DDD, DDE, DDT, Dioxin (as 2,3,7,8-TCDD TEQ, Lead, Polychlorinated biphenyls (PCBs
Confirmed COC:	30018-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30009-NO, 30013-NO

BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT (Continued) **S107735933**

Potential Description: SOIL
Alias Name: 404680
Alias Type: Project Code (Site Code)
Alias Name: 60000155
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/23/2007
Comments: No further action in respect to Area 1 consisting of 12.92 acres. Area 2 will be address in the SSI.

Completed Area Name: Area 2- Area requiring Further Action
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 04/09/2007
Comments: Not reported

Completed Area Name: Area 2- Area requiring Further Action
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/05/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/08/2007
Comments: Signed Agreement sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/17/2006
Comments: The District recommended an PEA report in the Phase One report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/04/2007
Comments: Completed CRU Memo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

BOBBY DUKE SCHOOL CONVERSION & EXP PROJECT (Continued) **S107735933**

Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

32
NW
1/2-1
0.781 mi.
4123 ft.

STORE #330
85-101 AVENUE 52
COACHELLA, CA 92236

Notify 65 **S100179282**
N/A

Relative:
Higher

Actual:
-68 ft.

NOTIFY 65:

Name:	STORE #330
Address:	85-101 AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

H33
NW
1/2-1
0.829 mi.
4377 ft.

EAST COACHELLA ELEMENTARY SCHOOL
NORTH OF AVENUE 52
COACHELLA, CA 92236

Site 1 of 2 in cluster H

ENVIROSTOR SCH **S106044340**
N/A

Relative:
Higher

Actual:
-68 ft.

ENVIROSTOR:

Name:	EAST COACHELLA ELEMENTARY SCHOOL
Address:	NORTH OF AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	33010077
Status:	No Further Action
Status Date:	06/02/2004
Site Code:	404474
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	36
Senate:	18
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

EAST COACHELLA ELEMENTARY SCHOOL (Continued) **S106044340**

Funding: School District
Latitude: 33.67496
Longitude: -116.1772
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Zinc DDE Selenium
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: COACHELLA VALLEY UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: COACHELLA VALLEY USD-PRPSD E. COCHELA ES
Alias Type: Alternate Name
Alias Name: EAST COACHELLA ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 404474
Alias Type: Project Code (Site Code)
Alias Name: 33010077
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/21/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/23/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: EAST COACHELLA ELEMENTARY SCHOOL

EAST COACHELLA ELEMENTARY SCHOOL (Continued) **S106044340**

Address:	NORTH OF AVENUE 52
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	33010077
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	15
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404474
Assembly:	36
Senate:	18
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	06/02/2004
Restricted Use:	NO
Funding:	School District
Latitude:	33.67496
Longitude:	-116.1772
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Zinc, Zinc, DDE, Selenium
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	COACHELLA VALLEY UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	COACHELLA VALLEY USD-PRPSD E. COCHELA ES
Alias Type:	Alternate Name
Alias Name:	EAST COACHELLA ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	404474
Alias Type:	Project Code (Site Code)
Alias Name:	33010077
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/21/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	09/30/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/02/2004
Comments:	Not reported

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

EAST COACHELLA ELEMENTARY SCHOOL (Continued) **S106044340**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	12/23/2003
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

H34 **COACHELLA EAST ELEMENTARY SCHOOL** **ENVIROSTOR** **S105628760**
NW **AVENUE 52/WHITEWATER RIVER** **SCH** **N/A**
1/2-1 **COACHELLA, CA 92236**
0.829 mi.
4377 ft. **Site 2 of 2 in cluster H**

Relative: Higher
Actual: -68 ft.

ENVIROSTOR:

Name:	COACHELLA EAST ELEMENTARY SCHOOL
Address:	AVENUE 52/WHITEWATER RIVER
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	33010053
Status:	No Further Action
Status Date:	05/20/2002
Site Code:	404122
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	15
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	36
Senate:	18
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.67496
Longitude:	-116.1772
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	COACHELLA EAST ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	COACHELLA VALLEY UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	COACHELLA VALLEY USD-AVE 52 ELEM/VCA
Alias Type:	Alternate Name

COACHELLA EAST ELEMENTARY SCHOOL (Continued) **S105628760**

Alias Name: 404122
Alias Type: Project Code (Site Code)
Alias Name: 33010053
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/01/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/23/2000
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 05/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 05/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/14/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

COACHELLA EAST ELEMENTARY SCHOOL (Continued) **S105628760**

SCH:

Name:	COACHELLA EAST ELEMENTARY SCHOOL
Address:	AVENUE 52/WHITEWATER RIVER
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	33010053
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	15
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404122
Assembly:	36
Senate:	18
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	05/20/2002
Restricted Use:	NO
Funding:	School District
Latitude:	33.67496
Longitude:	-116.1772
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	COACHELLA EAST ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	COACHELLA VALLEY UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	COACHELLA VALLEY USD-AVE 52 ELEM/VCA
Alias Type:	Alternate Name
Alias Name:	404122
Alias Type:	Project Code (Site Code)
Alias Name:	33010053
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/20/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Workplan
Completed Date:	12/01/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

COACHELLA EAST ELEMENTARY SCHOOL (Continued) **S105628760**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/23/2000
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 05/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 05/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/14/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 6 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
COACHELLA	S117037745		AVENUE 52 & HIGHWAY 86	92236	CDL
THERMAL	S127595919	THERMAL OPERATING COMPANY, LLC	86030 AVENUE 62	92274	CERS HAZ WASTE
THERMAL	S103673815		83300 AVENUE 66, #6	92274	CDL
THERMAL	S107535723		673 AVENUE 58	92274	CDL
THERMAL	S131580726	PASHA NO.1 SHOP OF RICHARD BAGDASA	ONE HALF MILE EAST OF PIERCE S	92274	CPS-SLIC
THERMAL	S107539990		ON ORANGE GROVE, NEAR INTERSEC		CDL

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/26/2024
Number of Days to Update: 80

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/29/2024
Number of Days to Update: 85

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 06/03/2024
Number of Days to Update: 90

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/10/2024
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/04/2024
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 04/15/2024
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/04/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 03/21/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 83
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78
Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 83
Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/14/2024
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 77

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/29/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 79

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information
EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information
Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information
EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing
A listing of PFAS sites included in the Envirostor and GeoTracker databases. Locations of potential sources of per - and polyfluoroalkyl substances (PFAS). This does not mean that PFAS has been produced, used, or discharged at these sites.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/06/2024
Date Made Active in Reports: 05/29/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing
Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/11/2024
Number of Days to Update: 84

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

CUPA LIV-PLE: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 77

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

DRYCLEAN VENTURA: Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 02/08/2024
Number of Days to Update: 23

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/20/2024
Date Data Arrived at EDR: 02/22/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 76

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

DRYCLEAN MOJAVE: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/15/2024
Date Data Arrived at EDR: 04/17/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 7
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 10/18/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 90
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RVR: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/21/2024
Date Made Active in Reports: 04/12/2024
Number of Days to Update: 22
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/02/2024
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 04/15/2024
Number of Days to Update: 10
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/26/2024
Date Made Active in Reports: 04/16/2024
Number of Days to Update: 81
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

DRYCLEAN LAKE: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 02/15/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 76

Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

DRYCLEAN MENDOCINO: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/28/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 77

Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/05/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 75

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTERY BAY: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/05/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 75

Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 76

Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQUIN: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 77

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN N COAST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN N SIERRA: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 01/08/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN N SONOMA: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 01/05/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77
Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/28/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 77
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 01/26/2024
Date Data Arrived at EDR: 01/30/2024
Date Made Active in Reports: 04/17/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/23/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/16/2024
Number of Days to Update: 79

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/25/2024
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/17/2024
Number of Days to Update: 80
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/08/2024
Date Data Arrived at EDR: 03/08/2024
Date Made Active in Reports: 05/29/2024
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Annually

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/14/2024
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/01/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/11/2024
Number of Days to Update: 84

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/19/2024
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/26/2024
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List

CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List

Cupa facility list.

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 76

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List

Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83
Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 04/25/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 7
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78
Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/26/2024
Number of Days to Update: 78
Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80
Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: N/A
Telephone: N/A
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 03/26/2024
Number of Days to Update: 68
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/09/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 07/13/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 76
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/11/2024
Number of Days to Update: 84

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/11/2024
Number of Days to Update: 84

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation LA County List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/18/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/15/2023
Date Data Arrived at EDR: 11/20/2023
Date Made Active in Reports: 02/15/2024
Number of Days to Update: 87

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/31/2023
Date Data Arrived at EDR: 11/03/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Orange County
Petroleum and non-petroleum spills.

Date of Government Version: 02/02/2024
Date Data Arrived at EDR: 03/13/2024
Date Made Active in Reports: 06/04/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/22/2024
Date Data Arrived at EDR: 03/13/2024
Date Made Active in Reports: 06/04/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/22/2024
Date Data Arrived at EDR: 03/13/2024
Date Made Active in Reports: 06/04/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/28/2024
Date Data Arrived at EDR: 02/28/2024
Date Made Active in Reports: 05/16/2024
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/29/2024
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 8

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/14/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 78

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2024
Date Data Arrived at EDR: 05/22/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 2

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2023
Date Data Arrived at EDR: 01/31/2024
Date Made Active in Reports: 04/17/2024
Number of Days to Update: 77
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 83
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 83
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/15/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/05/2024
Number of Days to Update: 78

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/14/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/31/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/21/2024
Date Data Arrived at EDR: 02/22/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SITE MIT SANTA CRUZ: Site Mitigation Santa Cruz County List
Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 27

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 75
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 77
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/29/2024
Number of Days to Update: 85
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/18/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/25/2024
Number of Days to Update: 79

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

TARGET PROPERTY COORDINATES

Latitude (North):	33.66209 - 33° 39' 43.52''
Longitude (West):	116.16649 - 116° 9' 59.36''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	577279.1
UTM Y (Meters):	3724808.5
Elevation:	89 ft. below sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50004965 INDIO, CA
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

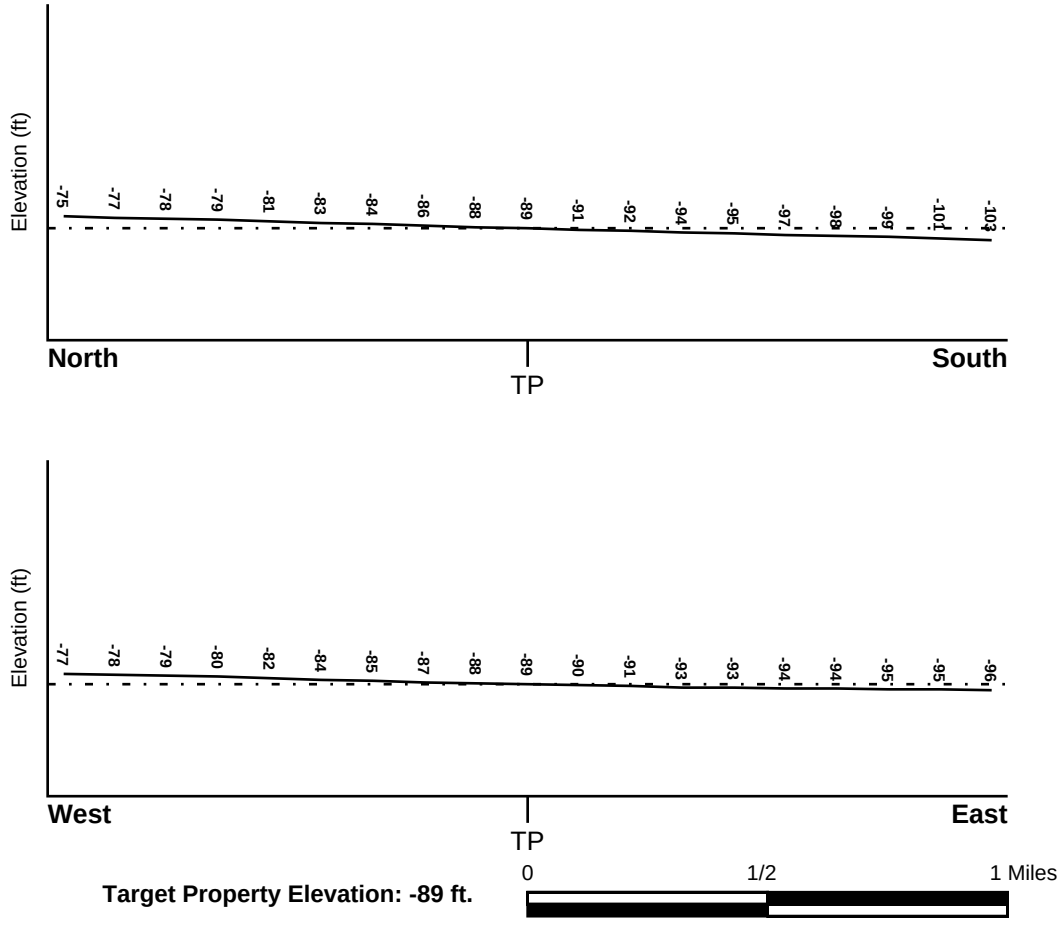
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: -89 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06065C2270G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
INDIO	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

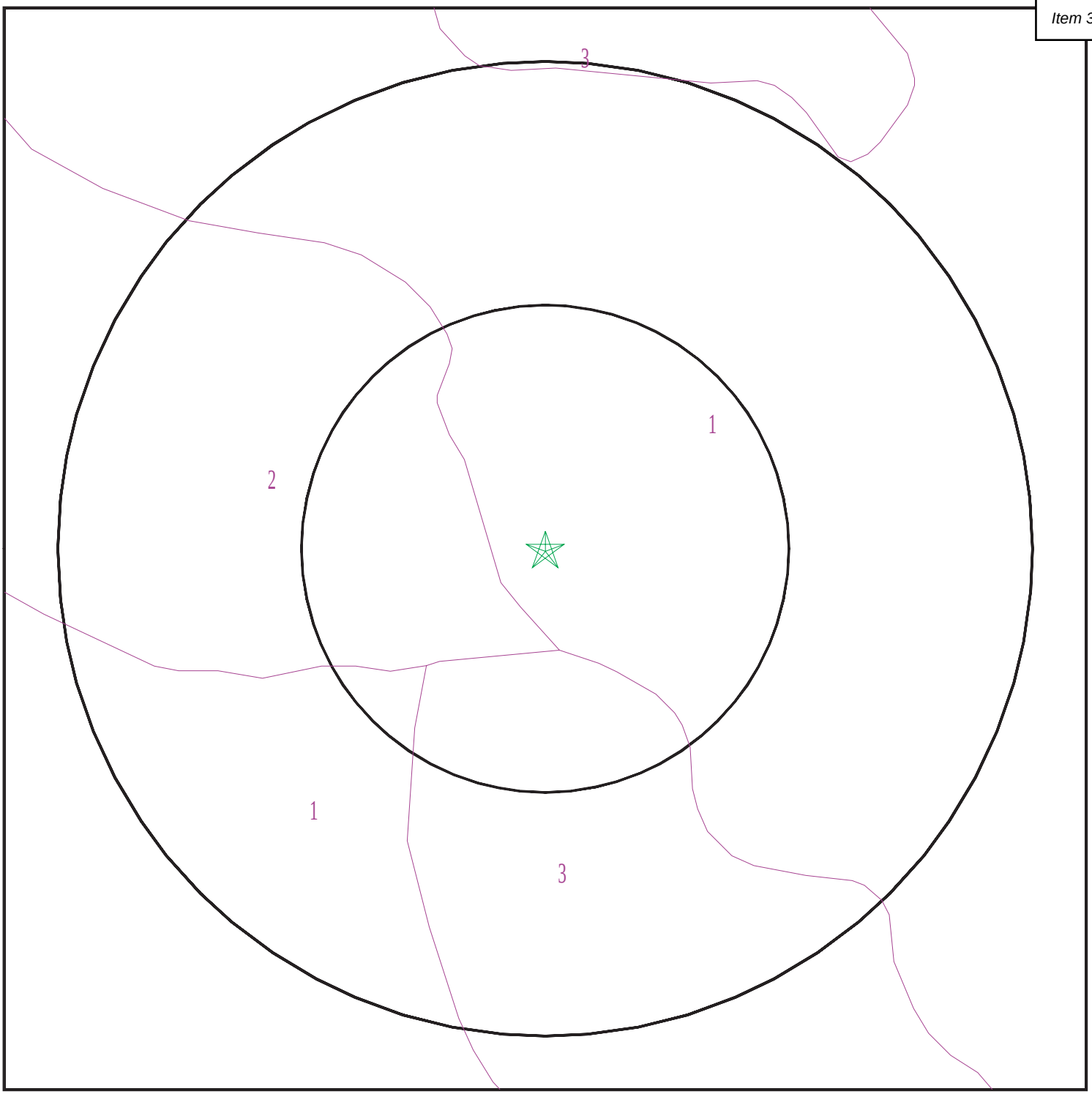
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7682206.2s



SITE NAME:	85901 AVENUE 53	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	85901 AVENUE 53 COACHELLA CA 92236	CONTACT:	Jacob Lacy
		INQUIRY #:	7682206.2s
LAT/LONG:	33.66209 / 116.16649	DATE:	June 14, 2024 2:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Indio

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	9 inches	59 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: Coachella

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	9 inches	40 inches	sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	40 inches	59 inches	loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: Gilman

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	7 inches	59 inches	stratified loamy sand to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
12	USGS40000136355	1/2 - 1 Mile South
13	USGS40000136562	1/2 - 1 Mile North
D14	USGS40000136564	1/2 - 1 Mile North
D15	USGS40000136567	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
23	USGS40000136565	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

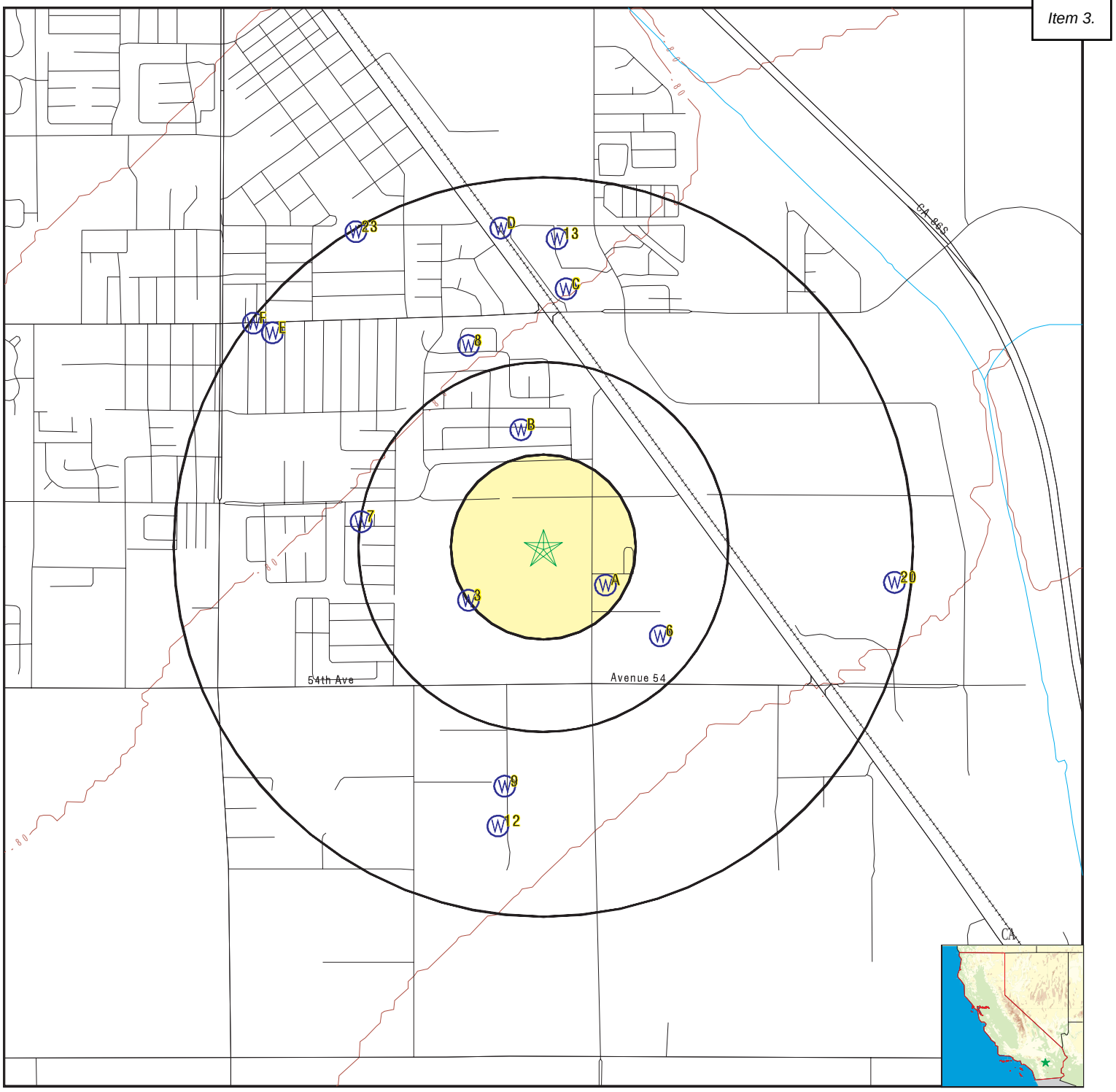
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADDW2000005312	1/8 - 1/4 Mile ESE
A2	7021	1/8 - 1/4 Mile ESE
3	CADDW2000021058	1/8 - 1/4 Mile SW
B4	7015	1/4 - 1/2 Mile North
B5	7016	1/4 - 1/2 Mile North
6	CADDW2000015410	1/4 - 1/2 Mile SE
7	7005	1/4 - 1/2 Mile West
8	CADDW2000010721	1/2 - 1 Mile NNW
9	CADDW2000005493	1/2 - 1 Mile South
C10	7017	1/2 - 1 Mile North
C11	CADDW2000019503	1/2 - 1 Mile North
E16	CAEDF0000021114	1/2 - 1 Mile NW
E17	CAEDF0000006705	1/2 - 1 Mile NW
E18	CAEDF0000033904	1/2 - 1 Mile NW
E19	CAEDF0000072321	1/2 - 1 Mile NW
20	CADWR0000010424	1/2 - 1 Mile East
F21	CAEDF0000098702	1/2 - 1 Mile NW
F22	CAEDF0000080766	1/2 - 1 Mile NW
F24	CAEDF0000031882	1/2 - 1 Mile NW
F25	CAEDF0000056978	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 7682206.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	85901 AVENUE 53	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	85901 AVENUE 53 COACHELLA CA 92236	CONTACT:	Jacob Lacy
LAT/LONG:	33.66209 / 116.16649	INQUIRY #:	7682206.2s
		DATE:	June 14, 2024 2:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
ESE
1/8 - 1/4 Mile
Lower

CA WELLS **CADDW2000005312**

GAMA:

Well ID:	CA3301803_001_001	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3301803-001
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3301803_001_001&store_num=		
GeoTracker Data:	Not Reported		

A2
ESE
1/8 - 1/4 Mile
Lower

CA WELLS **7021**

Seq:	7021	Prim sta c:	06S/08E-09M01 S
Frds no:	3301803001	County:	33
District:	63	User id:	33C
System no:	3301803	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333938.0	Longitude:	1160945.0
Precision:	3	Status:	AR
Comment 1:	53450 TYLER COACHELLA CA 92236	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3301803	System nam:	Castro Trailer Park
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

Sample date:	06-FEB-17	Finding:	0.52
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	06-JUN-16	Finding:	1.49
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	06-JUN-16	Finding:	1.64
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	04-MAR-16	Finding:	32.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	04-MAR-16	Finding:	3.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	04-MAR-16	Finding:	51.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	3.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	60.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-MAR-16	Finding:	1.7
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	04-MAR-16	Finding:	2.5
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	04-MAR-16	Finding:	62.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	04-MAR-16	Finding:	4.6
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	04-MAR-16	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	0.45
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	04-MAR-16	Finding:	96.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	0.83
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-MAR-16	Finding:	110.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	89.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	460.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	04-MAR-16	Finding:	30.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	04-MAY-15	Finding:	2.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	02-JUN-14	Finding:	4.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	07-MAY-12	Finding:	2.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

3
SW
1/8 - 1/4 Mile
Higher

CA WELLS **CADDW2000021058**

GAMA:

Well ID:	CA3301274_001_001	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3301274-001
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3301274_001_001&store_num=		
GeoTracker Data:	Not Reported		

B4
North
1/4 - 1/2 Mile
Higher

CA WELLS **7015**

Seq:	7015	Prim sta c:	06S/08E-05R01 S
Frds no:	3310070002	County:	33
District:	14	User id:	WAT
System no:	3310070	Water type:	G
Source nam:	WELL 6859 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334000.0	Longitude:	1161000.0
Precision:	8	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3310070	System nam:	Coachella Valley Cwd - Coachella Heights
Hqname:	COACHELLA VALLEY WTR DIST	Address:	P O BOX 1058
City:	COACHELLA	State:	Not Reported
Zip:	92236	Zip ext:	Not Reported
Pop serv:	100	Connection:	15
Area serve:	COACHELLA HEIGHTS		

B5
North
1/4 - 1/2 Mile
Higher

CA WELLS **7016**

Seq:	7016	Prim sta c:	06S/08E-05R02 S
Frds no:	3310070001	County:	33
District:	14	User id:	WAT
System no:	3310070	Water type:	G

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source nam:	WELL 6858 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334000.0	Longitude:	1161000.0
Precision:	8	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3310070	System nam:	Coachella Valley Cwd - Coachella Heights
Hqname:	COACHELLA VALLEY WTR DIST	Address:	P O BOX 1058
City:	COACHELLA	State:	Not Reported
Zip:	92236	Zip ext:	Not Reported
Pop serv:	100	Connection:	15
Area serve:	COACHELLA HEIGHTS		

6
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW2000015410**

GAMA:

Well ID:	CA3310007_012_012	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3310007-012
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3310007_012_012&store_num=		
GeoTracker Data:	Not Reported		

7
West
1/4 - 1/2 Mile
Higher

CA WELLS **7005**

Seq:	7005	Prim sta c:	06S/08E-02L02 S
Frds no:	3301274001	County:	33
District:	63	User id:	33C
System no:	3301274	Water type:	G
Source nam:	WELL 01 WEST	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333947.0	Longitude:	1161027.0
Precision:	3	Status:	AR
Comment 1:	88-505 AVE. 51		
Comment 2:	CA 92274	25	
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3301274	System nam:	David Freedman Co
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

8
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADDW2000010721**

GAMA:

Well ID:	CA3301150_001_001	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3301150-001
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3301150_001_001&store_num=		
GeoTracker Data:	Not Reported		

9
South
1/2 - 1 Mile
Lower

CA WELLS **CADDW2000005493**

GAMA:

Well ID:	CA3301990_001_001	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3301990-001
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3301990_001_001&store_num=		
GeoTracker Data:	Not Reported		

C10
North
1/2 - 1 Mile
Higher

CA WELLS **7017**

Seq:	7017	Prim sta c:	06S/08E-05R03 S
Frds no:	3310070003	County:	33
District:	14	User id:	WAT
System no:	3310070	Water type:	G
Source nam:	WELL 6860 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	334020.0	Longitude:	1160954.0
Precision:	2	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3310070	System nam:	Coachella Valley Cwd - Coachella Heights
Hqname:	COACHELLA VALLEY WTR DIST	Address:	P O BOX 1058
City:	COACHELLA	State:	Not Reported
Zip:	92236	Zip ext:	Not Reported
Pop serv:	100	Connection:	15
Area serve:	COACHELLA HEIGHTS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C11
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CADDW2000019503**

GAMA:

Well ID:	CA3310070_003_003	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3310070-003
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3310070_003_003&store_num=		
GeoTracker Data:	Not Reported		

12
South
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000136355**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007S008E17G001S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	750
Well Depth Units:	ft	Well Hole Depth:	750
Well Hole Depth Units:	ft		

13
North
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000136562**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E05R002S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	750
Well Depth Units:	ft	Well Hole Depth:	750
Well Hole Depth Units:	ft		

D14
North
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000136564**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Monitor Location:	006S008E05R001S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	640
Well Depth Units:	ft	Well Hole Depth:	640
Well Hole Depth Units:	ft		

D15
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000136567**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E05R003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19850909	Well Depth:	660
Well Depth Units:	ft	Well Hole Depth:	706
Well Hole Depth Units:	ft		

E16
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000021114**

Well ID:	T0606500934-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-15		

E17
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000006705**

Well ID:	T0606500934-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-14		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E18
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033904**

Well ID:	T0606500934-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-12		

E19
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072321**

Well ID:	T0606500934-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-13		

20
East
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000010424**

Well ID:	06S08E09Q003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06S08E09Q003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=06S08E09Q003S&store_num=		
GeoTracker Data:	Not Reported		

F21
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000098702**

Well ID:	T0606500934-GW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=GW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=GW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F22
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080766**

Well ID:	T0606500934-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-11		

23
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000136565**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E05N001S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	803
Well Hole Depth Units:	ft		

F24
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031882**

Well ID:	T0606500934-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-10		

F25
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056978**

Well ID:	T0606500934-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500934&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500934&assigned_name=MW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for RIVERSIDE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

Geothermal Wells Listing
Department of Conservation
Telephone: 916-445-9686
Geothermal well means a well constructed to extract or return water to the ground after it has been used for heating or cooling purposes. Geothermal wells in California (except for wells on federal leases which are administered by the Bureau of Land Management) are permitted, drilled, operated, and permanently sealed and closed (plugged and abandoned) under requirements and procedures administered by the Geothermal Section of the Department of Conservations Geologic Energy Management Division (CalGEM, formerly DOGGR).

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C

THE EDR VAPOR ENCROACHMENT SCREEN

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

Inquiry Number: 7682206.2s
July 9, 2024

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	1	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	1
Lists of state and tribal registered storage tanks	0.25	1	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	1	0	0
Local Lists of Registered Storage Tanks	0.25	2	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	2	0	0
Other Ascertainable Records	1.0	6	5	3

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

COORDINATES

Latitude (North):	33.66209 - 33° 39′ 43.525085″
Longitude (West):	116.16649 - 116° 9′ 59.35913″
Elevation:	-89 ft. below sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
ARMTEC DEFENSE TECHNOLOGIES 85901 AVENUE 53 COACHELLA, CA 92236	CERS
ARMTEC DEFENSE PRODUCTS INC 85901 AVE 53 COACHELLA, CA 92236	CERS TANKS CERS HAZ WASTE CERS
ARMTEC DEFENSE PRODUCTS COMPANY 85901 AVENUE 53 COACHELLA, CA 92253	NPDES Facility Status:
ARMTEC DEFENSE PRODUCTS INC 85901 AVENUE 53 COACHELLA, CA 922360000	HAZNET GEPAID: CAD008252157 HWTS

EXECUTIVE SUMMARY

Site

ARMTEC DEFENSE PRODUCTS INC.
85-901 AVENUE 53
COACHELLA, CA 92236

Database(s)

RCRA-LQG
EPA ID:: CAD008252157
FINDS
Registry ID:: 110000479107
Registry ID:: 110064261258
Registry ID:: 110070747096
ECHO
Registry ID: 110000479107
E MANIFEST
UST
Facility Id: 100
SWEEPS UST
Status: A
Comp Number: 20
Tank Status: A
ENF
Status: Historical
Status: Historical
Status: Historical
Status: Historical
Facility Id: 206368
Status: Historical
Status:
WDS
Facility Id: 7A332005012
Facility Status: A
LDS
Status: Open - Operating
Global Id: L10007426352
CERS
CIWQS
AST

ARMTEC DEFENSE PROD. CO
85901 AVENUE 53
COACHELLA, CA 92236

CHMIRS
Date Completed: 27-JUL-90
OES Incident Number: 012040
EMI
Facility Id: 74408

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
ARMTEC DEFENSE PRODUCTS INC. RCRA-LQG: RCRA-LQG FINDS: FINDS ECHO: ECHO E MANIFEST: E MANIFEST UST: UST SWEEPS UST: SWEEPS UST ENF: ENF WDS: WDS LDS: LDS CERS: CERS CIWQS: CIWQS AST: AST	85-901 AVENUE 53	Property	▲ A5	114
EL SUPER TORO LOCO #3 Cortese: CORTESE CERS: CERS LUST: LUST	52051 GRAPEFRUIT AVENUE	1/10 - 1/3 N	▲ C12	206

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
AUGUSTINE RESERVATION INDIAN RESERV: INDIAN RESERV	Not Reported	1/2 - 1 WSW	Region	10
ARMTEC DEFENSE TECHNOLOGIES CERS: CERS	85901 AVENUE 53	Property	▲ A1	10
ARMTEC DEFENSE PRODUCTS INC CERS TANKS: CERS TANKS CERS HAZ WASTE: CERS HAZ WASTE CERS: CERS	85901 AVE 53	Property	▲ A2	14
ARMTEC DEFENSE PRODUCTS COMPANY NPDES: NPDES	85901 AVENUE 53	Property	▲ A3	18
ARMTEC DEFENSE PRODUCTS INC HAZNET: HAZNET HWTS: HWTS	85901 AVENUE 53	Property	▲ A4	19
ARMTEC DEFENSE PRODUCTS INC.	85-901 AVENUE 53	Property	▲ A5	114

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
RCRA-LQG: RCRA-LQG FINDS: FINDS ECHO: ECHO E MANIFEST: E MANIFEST UST: UST SWEEPS UST: SWEEPS UST ENF: ENF WDS: WDS LDS: LDS CERS: CERS CIWQS: CIWQS AST: AST				
ARMTEC DEFENSE PROD. CO CHMIRS: CHMIRS EMI: EMI	85901 AVENUE 53	Property	▲ A6	170
ARMTEC DEFENSE PROD CO FINDS: FINDS ECHO: ECHO	85 901 AVENUE 53	<1/10 WNW	▲ A7	174
ARMTEC DEFENSE PROD. CO EMI: EMI	P.O. BOX 1110	<1/10 WNW	▲ A8	175
ARMTEC DEFENSE PROD. CO EMI: EMI DRYCLEANERS: DRYCLEANERS	85-901 AVENUE 53	<1/10 WNW	▲ A9	175
ARMTEC DEFENSE TECHNOLOGIES TRIS: TRIS	85-901 AVE 53	<1/10 NNE	▲ B10	186
ARMTEC DEFENSE PRODUCTS COMPANY PFAS ECHO: PFAS ECHO	Not Reported	<1/10 NNE	▲ B11	204
EL SUPER TORO LOCO #3 Cortese: CORTESE CERS: CERS LUST: LUST	52051 GRAPEFRUIT AVENUE	1/10 - 1/3 N	▲ C12	206
EL SUPER TORO LOCO #3 UST FINDER RELEASE: UST FINDER RELEASE	52051 GRAPEFRUIT AVENUE	1/10 - 1/3 N	▲ C13	209

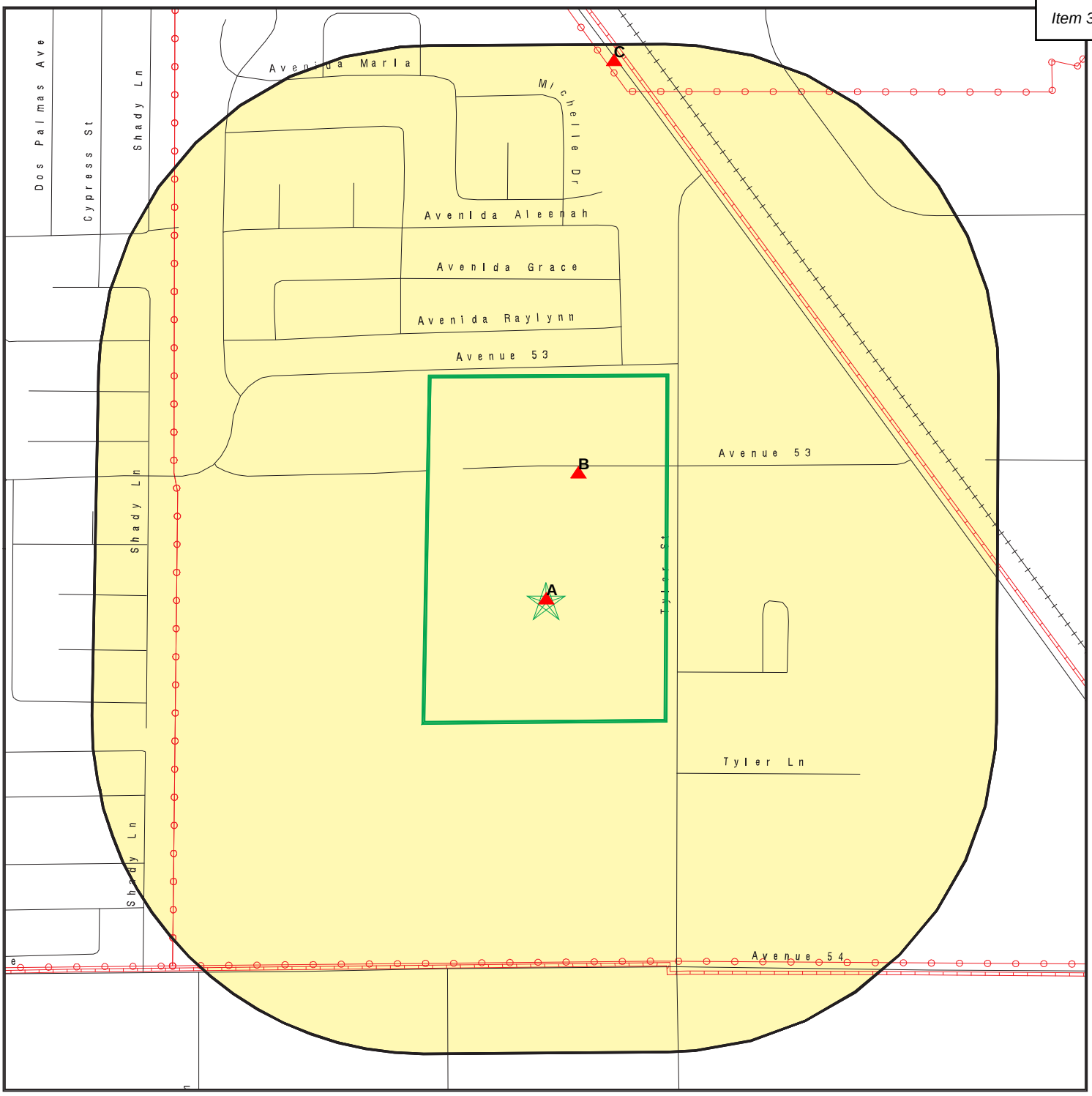
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 7682206.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Concern

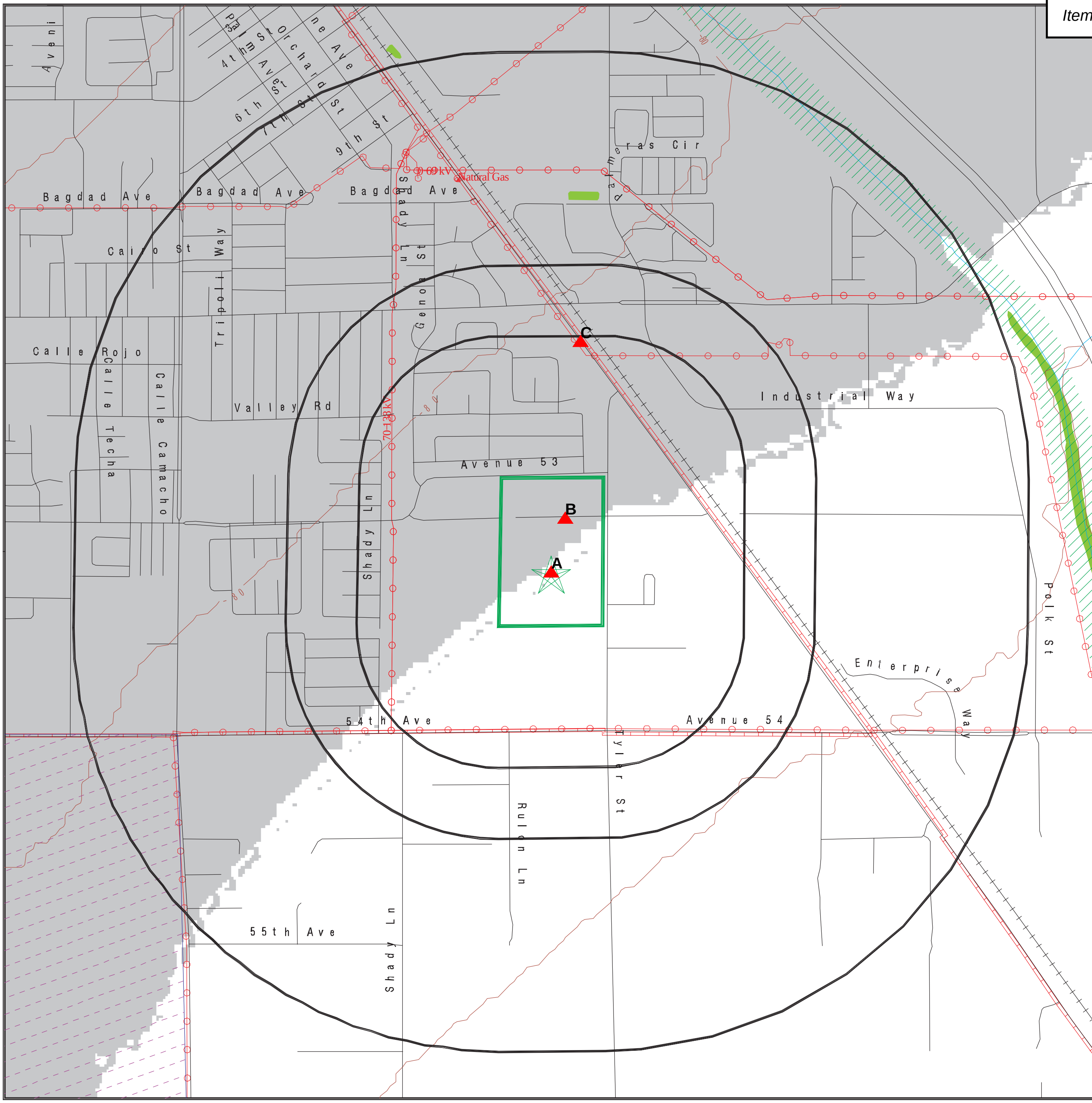
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 85901 AVENUE 53	CLIENT: Northgate Env. Management, Inc.
ADDRESS: 85901 AVENUE 53	CONTACT: Jacob Lacy
COACHELLA CA 92236	INQUIRY #: 7682206.2s
LAT/LONG: 33.66209 / 116.16649	DATE: June 14, 2024 2:08 pm

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SECONDARY MAP - 7682206.2S

Item 3.



0 1/3 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	85901 AVENUE 53	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	85901 AVENUE 53	CONTACT:	Jacob Lacy
	COACHELLA CA 92236	INQUIRY #:	7682206.2s
LAT/LONG:	33.66209 / 116.16649	DATE:	June 14, 2024 2:06 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

AUGUSTINE RESERVATION Not Reported, , CA,			CIND200735
Region	WSW 1/2 - 1	(4199 ft. / 0.795 mi.)	Other Ascertainable Records

Worksheet:

INDIAN RESERV: Other Ascertainable Records

Feature:	Indian Reservation
Name:	Augustine Reservation
Agency:	BIA

ARMTEC DEFENSE TECHNOLOGIES 85901 AVENUE 53, COACHELLA, CA, 92236			S123533855
▲ A1	Target Property	89 ft. Below Sea Level	Other Ascertainable Records

Worksheet:

CERS: Other Ascertainable Records

Name:	ARMTEC DEFENSE TECHNOLOGIES
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	6881
CERS ID:	110000479107
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	WILLIAM A MAITLAND

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	85901 AVENUE 53
Affiliation City:	COACHELLA
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TRANSDIGM INC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	william Maitland
Entity Title:	Environmental Engineer
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT FARMER
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JENNIE SNYDER CO RIV BASIN RWQCB REGN
Entity Title:	Not Reported
Affiliation Address:	73720 FRED WARING DR STE 100
Affiliation City:	PALMDESERT
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	WILLIAM MAITLAND
Entity Title:	Not Reported
Affiliation Address:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	7605415628,
Affiliation Type Desc:	Technical Contact
Entity Name:	WILLIAM MAITLAND
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	7605415628,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ROBERT L FARMER
Entity Title:	DIRECTOR, EH&S
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT L FRMR
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Name:	ARMTEC DEFENSE TECHNOLOGIES
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	6881
CERS ID:	92236RMTCD85901
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	WILLIAM A MAITLAND
Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	85901 AVENUE 53
Affiliation City:	COACHELLA
Affiliation State:	CA
Affiliation Country:	Not Reported

ARMTEC DEFENSE TECHNOLOGIES, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TRANSDIGM INC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	william Maitland
Entity Title:	Environmental Engineer
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT FARMER
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JENNIE SNYDER CO RIV BASIN RWQCB REGN
Entity Title:	Not Reported
Affiliation Address:	73720 FRED WARING DR STE 100
Affiliation City:	PALMDESERT
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	WILLIAM MAITLAND
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	7605415628,

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Affiliation Type Desc:	Technical Contact
Entity Name:	WILLIAM MAITLAND
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	7605415628,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ROBERT L FARMER
Entity Title:	DIRECTOR, EH&S
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ROBERT L FRMR
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

ARMTEC DEFENSE PRODUCTS INC 85901 AVE 53, COACHELLA, CA, 92236		S123514918
▲ A2	Target Property 89 ft. Below Sea Level	Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430
CERS ID:	10152951
CERS Description:	RCRA LQ HW Generator
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVE 53, COACHELLA, CA 92236 (Continued)

CERS ID:	10152951
CERS Description:	Hazardous Waste Generator

CERS TANKS: Local Lists of Registered Storage Tanks

Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430
CERS ID:	10152951
CERS Description:	Aboveground Petroleum Storage

CERS: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	385430
CERS ID:	10152951
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	385430
Site Name:	ARMTEC DEFENSE PRODUCTS INC
Violation Date:	07-08-2008
Citation:	HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description:	RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/08/2009.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HWLQG
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspection and training with John
Eval Division:	Riverside County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVE 53, COACHELLA, CA 92236 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-08-2012
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2008
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector Name: Martha Bahia
Eval Division:	Riverside County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspection and training with John
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspection and drive back to office
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVE 53, COACHELLA, CA 92236 (Continued)

Eval Source:	CERS,

Enforcement Action:

Site ID:	385430
Site Name:	ARMTEC DEFENSE PRODUCTS INC
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	07-08-2008
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Riverside County Department of Env Health
Enf Action Program:	HWLQG
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Armtec Defense Products Co
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(760) 398-0143,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not Reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,
Affiliation Type Desc:	Identification Signer
Entity Name:	william Maitland
Entity Title:	Environmental Engineer
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	William Maitland
Entity Title:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVE 53, COACHELLA, CA 92236 (Continued)

Affiliation Address:	PO Box 848
Affiliation City:	Coachella
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92236
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	TransDigm Group Inc
Entity Title:	Not Reported
Affiliation Address:	1301 East 9th Street
Affiliation City:	Cleveland OH
Affiliation State:	OH
Affiliation Country:	United States
Affiliation Zip:	44114
Affiliation Phone:	(216) 706-2960,
Affiliation Type Desc:	Document Preparer
Entity Name:	William Maitland
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	85901 AVE 53
Affiliation City:	COACHELLA
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92236-2607
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	ARMTEC DEFENSE PRODUCTS INC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

MAP FINDINGS

▲ A3	Target Property 89 ft. Below Sea Level	Other Ascertainable Records

Worksheet:

NPDES: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92253
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported
WDID:	7 33NNA001445
Regulatory Measure Type:	Industrial
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	NONA Submitted
Status Date:	03/17/2021
Operator Name:	Armtec Defense Products Company
Operator Address:	85901 avenue 53
Operator City:	Coachella
Operator State:	California
Operator Zip:	92253

ARMTEC DEFENSE PRODUCTS INC
85901 AVENUE 53, COACHELLA, CA, 922360000 S112999106

▲ A4	Target Property 89 ft. Below Sea Level	Other Ascertainable Records

Worksheet:

HWTS: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Address:	85901 AVENUE 53
Address 2:	Not Reported
City,State,Zip:	COACHELLA, CA 92236
EPA ID:	CAD008252157
Inactive Date:	Not Reported
Create Date:	07/23/1982
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	85901 AVENUE 53
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	COACHELLA, CA 922360000
Owner Name:	ESTERLINE CORPORATION
Owner Address:	TRANSDIGM INC 1301 EAST 9TH ST
Owner Address 2:	Not Reported
Owner City,State,Zip:	CLEVELAND, OH 441140000
Owner Phone:	Not Reported
Owner Fax:	Not Reported
Contact Name:	WILLIAM MAITLAND
Contact Address:	85901 AVENUE 53
Contact Address 2:	Not Reported
City,State,Zip:	COACHELLA, CA 92236
Contact Phone:	Not Reported
Contact Fax:	Not Reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.672438
Longitude:	-116.170645

NAICS:

EPA ID:	CAD008252157
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	332995
NAICS Description:	Other Ordnance and Accessories Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	Not Reported
Facility Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Facility Address:	85901 AVENUE 53
Facility Address 2:	Not Reported
Facility City:	COACHELLA
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	922360000

HAZNET: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85901 AVENUE 53
Address 2:	Not Reported
City,State,Zip:	COACHELLA, CA 922360000

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Contact:	WILLIAM MAITLAND
Telephone:	7605415628
Mailing Name:	Not Reported
Mailing Address:	85901 AVENUE 53
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.325
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.13829
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	OHD980613541
CA Waste Code:	172 - Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.5615
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	OHD048415665
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0525
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	AZR000520304
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3211
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.015

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD008488025
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	156.58884
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	ARD069748192
CA Waste Code:	352 - Other organic solids
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.005
Year:	2021
Gepaid:	CAD008252157
TSD EPA ID:	CAD097030993
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	H070 -
Tons:	0.45436

The Click here to access 797 additional CA HAZNET: record(s) in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2h2ah61gaQ8e685EgJ1jQv3Pe91Y8m3oESAxJl8ejQ2Ehj1Mav7x6q1Kgs73Q82eet5t8g3FEx5iJe2.hi21aw1b6v8hgi7TQD9seW3g8s3NEe11Ju7Gjj0svb3HPJtA9X2IhL2faZ1y65TAgH2FQe2UeY3q8pAkEhAXJkAcjV2Ivq1sPe7t961 additional records for this site. Please contact your EDR Account Executive for more information.

Additional Info:

Year:	2021
Gen EPA ID:	CAD008252157
Shipment Date:	9/9/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	015295730FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 5:	Not Reported
Shipment Date:	9/4/2020
Creation Date:	10/13/2020
Receipt Date:	9/5/2020
Manifest ID:	017525745JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.13511
Waste Quantity:	4109
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/30/2020
Creation Date:	10/29/2020
Receipt Date:	10/1/2020
Manifest ID:	021866943JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.09758
Waste Quantity:	4100
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/28/2020

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Creation Date:	10/29/2020
Receipt Date:	9/29/2020
Manifest ID:	015295530FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	9/24/2020
Creation Date:	10/27/2020
Receipt Date:	9/24/2020
Manifest ID:	021866902JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	9/22/2020
Creation Date:	10/27/2020
Receipt Date:	9/22/2020

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Manifest ID:	015295529FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/2/2020
Creation Date:	10/13/2020
Receipt Date:	9/2/2020
Manifest ID:	015295703FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	15.42952
Waste Quantity:	3700
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/17/2020
Creation Date:	10/19/2020
Receipt Date:	9/17/2020
Manifest ID:	021866827JJK
Trans EPA ID:	CAR000129759

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.25938
Waste Quantity:	2700
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/11/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	021866737JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	17.7231
Waste Quantity:	4250
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	8/7/2020
Creation Date:	9/14/2020
Receipt Date:	8/7/2020
Manifest ID:	014089835FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2020
Gen EPA ID:	CAD008252157
Shipment Date:	9/9/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	015295730FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/4/2020
Creation Date:	10/13/2020
Receipt Date:	9/5/2020
Manifest ID:	017525745JJK
Trans EPA ID:	CAR000129759

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.13511
Waste Quantity:	4109
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/30/2020
Creation Date:	10/29/2020
Receipt Date:	10/1/2020
Manifest ID:	021866943JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.09758
Waste Quantity:	4100
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/28/2020
Creation Date:	10/29/2020
Receipt Date:	9/29/2020
Manifest ID:	015295530FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/24/2020
Creation Date:	10/27/2020
Receipt Date:	9/24/2020
Manifest ID:	021866902JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/22/2020
Creation Date:	10/27/2020
Receipt Date:	9/22/2020
Manifest ID:	015295529FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/2/2020
Creation Date:	10/13/2020
Receipt Date:	9/2/2020
Manifest ID:	015295703FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	15.42952
Waste Quantity:	3700
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/17/2020
Creation Date:	10/19/2020
Receipt Date:	9/17/2020
Manifest ID:	021866827JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.25938
Waste Quantity:	2700
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	9/11/2020
Creation Date:	10/14/2020
Receipt Date:	9/11/2020
Manifest ID:	021866737JJK
Trans EPA ID:	CAR000129759
Trans Name:	HTS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	17.7231
Waste Quantity:	4250
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	8/7/2020
Creation Date:	9/14/2020
Receipt Date:	8/7/2020
Manifest ID:	014089835FLE
Trans EPA ID:	CAR000241448
Trans Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	20.01668
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Detail Two:

Year:	2020
EM Manifest ID:	5118ca98-56c3-4544-937b-c6dcfb646d8a
Shipment Date:	8/4/2020
Receipt Date:	8/18/2020
Manifest Number:	021866436JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	800-535-5053
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2020
EM Manifest ID:	5118ca98-56c3-4544-937b-c6dcfb646d8a
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866436JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.46000
Quantity Waste:	920.000000
Quantity Unit:	P
Number of Containers:	4

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Shipment Date:	8/4/2020
Receipt Date:	8/10/2020
Manifest Number:	021866431JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866431JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Manifest Number:	021866431JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	1.68300
Quantity Waste:	495.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343
Year:	2020
EM Manifest ID:	db84d375-c4d4-46c9-a816-8e923924a422
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866431JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.17500
Quantity Waste:	350.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352
Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Shipment Date:	8/4/2020
Receipt Date:	9/15/2020
Manifest Number:	021866433JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	909-625-6645
Contact:	Not Reported
Contact Telephone:	562-906-2633
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	IND058484114
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	OHD980613541
TSDF Name:	HERITAGE THERMAL SERVICES INC
TSDF Address 1:	1250 SAINT GEORGE ST
TSDF Address 2:	Not Reported
TSDF City:	EAST LIVERPOOL
TSDF Zip:	43920

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Telephone: Not Reported

Federal:

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.42000
Quantity Waste: 840.000000
Quantity Unit: P
Number of Containers: 14
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.42000
Quantity Waste: 840.000000
Quantity Unit: P
Number of Containers: 14
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D003

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157
Shipment Date: 2020-08-04
Manifest Number: 021866433JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.18000
Quantity Waste: 360.000000
Quantity Unit: P
Number of Containers: 6
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID: CAD008252157

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	2
Method Code:	H040
Quantity Tons:	0.18000
Quantity Waste:	360.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	3
Method Code:	H040
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	3
Method Code:	H040
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003

State:

Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	1
Method Code:	H040

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Tons:	0.42000
Quantity Waste:	840.000000
Quantity Unit:	P
Number of Containers:	14
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	172
Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	2
Method Code:	H040
Quantity Tons:	0.18000
Quantity Waste:	360.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	172
Year:	2020
EM Manifest ID:	52e197ed-901d-4a8a-9b40-6eb3d788fcf9
Generator EPA ID:	CAD008252157
Shipment Date:	2020-08-04
Manifest Number:	021866433JJK
Line Number:	3
Method Code:	H040
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	172
Year:	2020
EM Manifest ID:	52371182-202a-48e6-b029-1f324a2f29ab
Shipment Date:	5/7/2020
Receipt Date:	5/15/2020
Manifest Number:	021175098JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2020
EM Manifest ID:	52371182-202a-48e6-b029-1f324a2f29ab
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175098JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.65000
Quantity Waste:	1300.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Shipment Date:	5/7/2020
Receipt Date:	5/12/2020
Manifest Number:	021175094JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175094JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.51000
Quantity Waste:	150.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175094JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.08340
Quantity Waste:	20.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223

Year:	2020
EM Manifest ID:	8cf40289-6f21-4a80-8db6-51c3068e5c22
Generator EPA ID:	CAD008252157
Shipment Date:	2020-05-07
Manifest Number:	021175094JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.08500
Quantity Waste:	25.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Year:	2020
EM Manifest ID:	912896
Shipment Date:	4/2/2019
Receipt Date:	4/11/2019
Manifest Number:	020249128JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	912896
Generator EPA ID:	CAD008252157
Shipment Date:	2019-04-02
Manifest Number:	020249128JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00340
Quantity Waste:	1.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	1107023
Shipment Date:	2/12/2020
Receipt Date:	2/14/2020
Manifest Number:	021174377JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	AVENUE 53

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	1107023
Generator EPA ID:	CAD008252157
Shipment Date:	2020-02-12
Manifest Number:	021174377JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	3.36600
Quantity Waste:	990.000000
Quantity Unit:	G
Number of Containers:	18
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	1107023
Generator EPA ID:	CAD008252157
Shipment Date:	2020-02-12
Manifest Number:	021174377JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	1107023

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Generator EPA ID:	CAD008252157
Shipment Date:	2020-02-12
Manifest Number:	021174377JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.42500
Quantity Waste:	125.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	864000
Shipment Date:	11/21/2019
Receipt Date:	11/26/2019
Manifest Number:	021172734JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	864000
Generator EPA ID:	CAD008252157
Shipment Date:	2019-11-21
Manifest Number:	021172734JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.70000
Quantity Waste:	500.000000
Quantity Unit:	G

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Number of Containers:	10
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Shipment Date:	11/2/2020
Receipt Date:	11/8/2020
Manifest Number:	021867298JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	ROBERT L FARMER
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.76500
Quantity Waste:	225.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00340
Quantity Waste:	1.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343
Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.33360
Quantity Waste:	80.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223
Year:	2020
EM Manifest ID:	d3c17d08-1439-4885-aa7f-e35d8c9e4989
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867298JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.10425
Quantity Waste:	25.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223
Year:	2020
EM Manifest ID:	411046b7-95aa-45c7-b90c-f3b2ef279dd4
Shipment Date:	11/2/2020
Receipt Date:	11/6/2020
Manifest Number:	021867303JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	AVENUE 53
Address 2:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	800-535-5053
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2020
EM Manifest ID:	411046b7-95aa-45c7-b90c-f3b2ef279dd4
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867303JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.91000
Quantity Waste:	1820.000000
Quantity Unit:	P
Number of Containers:	13
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	411046b7-95aa-45c7-b90c-f3b2ef279dd4
Generator EPA ID:	CAD008252157
Shipment Date:	2020-11-02
Manifest Number:	021867303JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.35000
Quantity Waste:	700.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal boxes, cartons, cases (including roll offs)
Quantity Type:	Pounds
State Code:	181

Detail Two:

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Year:	2019
EM Manifest ID:	772143
Shipment Date:	9/17/2019
Receipt Date:	9/27/2019
Manifest Number:	020250745JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2019
EM Manifest ID:	772143
Generator EPA ID:	CAD008252157
Shipment Date:	2019-09-17
Manifest Number:	020250745JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.49250
Quantity Waste:	985.000000
Quantity Unit:	P
Number of Containers:	7
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	979972
Shipment Date:	9/17/2019
Receipt Date:	9/26/2019
Manifest Number:	020250742JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Address 2:	Not Reported
City:	COACHELLA
Zip:	92236
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	979972
Generator EPA ID:	CAD008252157
Shipment Date:	2019-09-17
Manifest Number:	020250742JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.49600
Quantity Waste:	440.000000
Quantity Unit:	G
Number of Containers:	8
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	644677
Shipment Date:	8/7/2018
Receipt Date:	8/19/2018
Manifest Number:	018408999JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	644677
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018408999JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.93500
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	540373
Shipment Date:	7/23/2019
Receipt Date:	7/25/2019
Manifest Number:	020250185JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	540373
Generator EPA ID:	CAD008252157
Shipment Date:	2019-07-23
Manifest Number:	020250185JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.53000
Quantity Waste:	450.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	462818
Shipment Date:	7/23/2019
Receipt Date:	7/30/2019
Manifest Number:	020250188JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2019
EM Manifest ID:	462818
Generator EPA ID:	CAD008252157
Shipment Date:	2019-07-23
Manifest Number:	020250188JJK

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Line Number:	1
Method Code:	H132
Quantity Tons:	0.50000
Quantity Waste:	1000.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Shipment Date:	6/19/2018
Receipt Date:	6/25/2018
Manifest Number:	018407431JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAR000194217
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	MXC130619001
TSDF Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.88000
Quantity Waste:	1760.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Federal Code:	D001
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.88000
Quantity Waste:	1760.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.80000
Quantity Waste:	1600.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.80000
Quantity Waste:	1600.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Line Number:	3
Method Code:	H020
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

State:

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.88000
Quantity Waste:	1760.000000

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.80000
Quantity Waste:	1600.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2019

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.45870
Quantity Waste:	110.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2019
EM Manifest ID:	018407431JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407431JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2019
EM Manifest ID:	711845
Shipment Date:	5/22/2019
Receipt Date:	5/24/2019
Manifest Number:	020249642JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	711845
Generator EPA ID:	CAD008252157
Shipment Date:	2019-05-22
Manifest Number:	020249642JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.70000
Quantity Waste:	500.000000
Quantity Unit:	G
Number of Containers:	10
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2019
EM Manifest ID:	790346
Shipment Date:	5/22/2019
Receipt Date:	5/30/2019
Manifest Number:	020249646JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2019
EM Manifest ID:	790346

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Generator EPA ID:	CAD008252157
Shipment Date:	2019-05-22
Manifest Number:	020249646JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	7
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	790346
Generator EPA ID:	CAD008252157
Shipment Date:	2019-05-22
Manifest Number:	020249646JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	338940
Shipment Date:	4/2/2019
Receipt Date:	4/5/2019
Manifest Number:	020249132JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2019
EM Manifest ID:	338940
Generator EPA ID:	CAD008252157
Shipment Date:	2019-04-02
Manifest Number:	020249132JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	645635
Shipment Date:	10/10/2018
Receipt Date:	10/19/2018
Manifest Number:	019175124JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not Reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	645635
Generator EPA ID:	CAD008252157

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Shipment Date:	2018-10-10
Manifest Number:	019175124JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03400
Quantity Waste:	10.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343
Year:	2019
EM Manifest ID:	645635
Generator EPA ID:	CAD008252157
Shipment Date:	2018-10-10
Manifest Number:	019175124JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.51000
Quantity Waste:	150.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Portable tanks
Quantity Type:	Gallons
State Code:	343
Year:	2019
EM Manifest ID:	645635
Generator EPA ID:	CAD008252157
Shipment Date:	2018-10-10
Manifest Number:	019175124JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Detail Two:

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Shipment Date:	9/27/2017
Receipt Date:	10/5/2017
Manifest Number:	017524500JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAR000194217
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	MXC130619001
TSDF Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

Year:	2018

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.31275
Quantity Waste:	75.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.31275
Quantity Waste:	75.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	7
Method Code:	H050
Quantity Tons:	2.25000
Quantity Waste:	4500.000000
Quantity Unit:	P
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Line Number:	7
Method Code:	H050
Quantity Tons:	2.25000
Quantity Waste:	4500.000000
Quantity Unit:	P
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

State:

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.07500
Quantity Waste:	150.000000

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	5
Method Code:	H020
Quantity Tons:	0.31275
Quantity Waste:	75.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	1.83480
Quantity Waste:	440.000000
Quantity Unit:	G
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

EM Manifest ID:	017524500JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524500JJK
Line Number:	7
Method Code:	H050
Quantity Tons:	2.25000
Quantity Waste:	4500.000000
Quantity Unit:	P
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Shipment Date:	9/27/2017
Receipt Date:	10/11/2017
Manifest Number:	017524496JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524496JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.49600
Quantity Waste:	440.000000

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Unit:	G
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524496JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	017524496JJK20170927_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-09-27
Manifest Number:	017524496JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	91899
Shipment Date:	8/7/2018
Receipt Date:	8/27/2018
Manifest Number:	018409000JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCT
Address:	85901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236
Telephone:	800-483-3718
Contact:	Janet Salcedo
Contact Telephone:	760-398-0143
Transporter 1 EPA ID:	CAR000129759

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	ARD069748192
TSDF Name:	Clean Harbors El Dorado LLC
TSDF Address 1:	309 American Circle
TSDF Address 2:	Not Reported
TSDF City:	El Dorado
TSDF Zip:	71730
TSDF Telephone:	800-483-3718

Federal:

Year:	2018
EM Manifest ID:	91899
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018409000JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2018
EM Manifest ID:	91899
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018409000JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F003

State:

Year:	2018
EM Manifest ID:	91899
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	018409000JJK
Line Number:	1
Method Code:	H040

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2018
EM Manifest ID:	99165
Shipment Date:	8/7/2018
Receipt Date:	8/23/2018
Manifest Number:	019173506JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Address:	85-901 AVENUE 53
Address 2:	Not Reported
City:	COACHELLA
Zip:	92236-0000
Telephone:	800-535-5053
Contact:	Not Reported
Contact Telephone:	760-398-2626
Transporter 1 EPA ID:	CAD981412356
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not Reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-510-8510

State:

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2018
EM Manifest ID:	99165
Generator EPA ID:	CAD008252157
Shipment Date:	2018-08-07
Manifest Number:	019173506JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Shipment Date:	7/19/2017
Receipt Date:	8/5/2017
Manifest Number:	017523882JJK
Generator EPA ID:	CAD008252157

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523882JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	1.36000
Quantity Waste:	400.000000
Quantity Unit:	G
Number of Containers:	9
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523882JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.34000
Quantity Waste:	100.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Year:	2018
EM Manifest ID:	017523882JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523882JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017523886JJK20170719_D_1
Shipment Date:	7/19/2017
Receipt Date:	8/4/2017
Manifest Number:	017523886JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY INC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	017523886JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523886JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.02500

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	017523886JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523886JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.08750
Quantity Waste:	175.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Shipment Date:	7/19/2017
Receipt Date:	7/24/2017
Manifest Number:	017523884JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAL000194217
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	MXC130619001
TSDF Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	4
Method Code:	H020

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	5
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	6
Method Code:	H050
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	10
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	6
Method Code:	H050
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	10
Type of Container:	NULL
Quantity Type:	NULL

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Federal Code:	F003
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	7
Method Code:	H020
Quantity Tons:	0.77145
Quantity Waste:	185.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	7
Method Code:	H020
Quantity Tons:	0.77145
Quantity Waste:	185.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	9
Method Code:	H050
Quantity Tons:	1.92000
Quantity Waste:	3840.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Line Number:	9
Method Code:	H050
Quantity Tons:	1.92000
Quantity Waste:	3840.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

State:

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	0.07000
Quantity Waste:	140.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	3
Method Code:	H050
Quantity Tons:	0.10000
Quantity Waste:	200.000000

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	4
Method Code:	H020
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	5
Method Code:	H050
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	6
Method Code:	H050
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	10
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	7
Method Code:	H020
Quantity Tons:	0.77145
Quantity Waste:	185.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	8
Method Code:	H020
Quantity Tons:	2.98155
Quantity Waste:	715.000000
Quantity Unit:	G
Number of Containers:	13
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	9
Method Code:	H050
Quantity Tons:	1.92000
Quantity Waste:	3840.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017523884JJK20170719_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2017-07-19
Manifest Number:	017523884JJK
Line Number:	10
Method Code:	H020

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	018407433JJK20180619_D_1
Shipment Date:	6/19/2018
Receipt Date:	6/22/2018
Manifest Number:	018407433JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD981412356
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY INC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	018407433JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407433JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.22500
Quantity Waste:	450.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Year:	2018
EM Manifest ID:	018407430JJK20180619_D_1
Shipment Date:	6/19/2018
Receipt Date:	7/3/2018
Manifest Number:	018407430JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	018407430JJK20180619_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-06-19
Manifest Number:	018407430JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.93500
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Shipment Date:	5/1/2018
Receipt Date:	5/7/2018
Manifest Number:	018408469JJK
Generator EPA ID:	CAD008252157
Name:	ARMTEC DEFENSE PRODUCTS INC
Address:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000129759
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAR000194217
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	MXC130619001
TSDF Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.99000
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.99000

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.12000
Quantity Waste:	240.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	1
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	2
Method Code:	H050
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	NULL

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	3
Method Code:	H020
Quantity Tons:	0.99000
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	4
Method Code:	H050
Quantity Tons:	0.12000
Quantity Waste:	240.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01
Manifest Number:	018408469JJK
Line Number:	5
Method Code:	H050
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	018408469JJK20180501_D_1
Generator EPA ID:	CAD008252157
Shipment Date:	2018-05-01

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Manifest Number:	018408469JJK
Line Number:	6
Method Code:	H020
Quantity Tons:	1.60545
Quantity Waste:	385.000000
Quantity Unit:	G
Number of Containers:	7
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Additional Info:

Year:	2017
Gen EPA ID:	CAD008252157
Shipment Date:	20171211
Creation Date:	6/13/2018 18:31:23
Receipt Date:	20171214
Manifest ID:	017525692JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H070 - Not reported
Quantity Tons:	7.3392
Waste Quantity:	1760
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	7/20/2018 18:30:10
Receipt Date:	20171130
Manifest ID:	015946547JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171129
Manifest ID:	017525448JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.9

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171122
Manifest ID:	017525449JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H070 - Not reported
Quantity Tons:	9.174
Waste Quantity:	2200
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171122
Manifest ID:	017525449JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H070 - Not reported
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not Reported

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171122
Manifest ID:	017525449JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171115
Creation Date:	7/17/2018 18:30:34
Receipt Date:	20171116
Manifest ID:	017525467JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.68
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 5:	Not Reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD008252157
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.95
Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	5.28
Waste Quantity:	10560
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD008252157
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854802JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854795JJK

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.95
Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	014854801JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	5.28
Waste Quantity:	10560
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	135 - Unspecified aqueous solution

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151203
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151211
Manifest ID:	014854795JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD008252157
Shipment Date:	20141023
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141113
Manifest ID:	012892479JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Alt Name:	Not Reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	012892479JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141113
Manifest ID:	012892479JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.31
Waste Quantity:	620

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141030
Manifest ID:	012892477JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.18765
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	12/30/2014 22:15:05
Receipt Date:	20141027
Manifest ID:	012892476JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not Reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20141023
Creation Date:	3/31/2015 22:15:05
Receipt Date:	20141107
Manifest ID:	012892475JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Shipment Date:	20141023
Creation Date:	4/17/2015 22:15:07
Receipt Date:	20141103
Manifest ID:	012892474JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.066
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD008252157
Shipment Date:	20131121
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	012136817JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20131121
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131205
Manifest ID:	012136818JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRAN ENV SER
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20131121
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	012136817JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	1.496
Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Shipment Date:	20131121
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20131125
Manifest ID:	007731365JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO/KERDOON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not Reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20131121
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	012136817JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.115
Waste Quantity:	230
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20131121
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131205

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Manifest ID:	012136818JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRAN ENV SER
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.68805
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20131121
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131205
Manifest ID:	012136812JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.87
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20131121
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131205
Manifest ID:	012136812JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20131121
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131208
Manifest ID:	012136813JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20131121
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131208
Manifest ID:	012136813JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDF EPA ID:	ARD069748192

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD008252157
Shipment Date:	20121112
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121121
Manifest ID:	010479621JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENV SERVICES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121112
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121115
Manifest ID:	010479619JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	4.587
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121101
Manifest ID:	010479356JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	010479357JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.85
Waste Quantity:	3700
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121101
Manifest ID:	010479356JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121101
Manifest ID:	010479356JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS - EL DORADO
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	135 - Unspecified aqueous solution

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	4/6/2013 22:15:07
Receipt Date:	20121025
Manifest ID:	010479357JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	010479357JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.496

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	3/22/2013 22:15:24
Receipt Date:	20121102
Manifest ID:	010479359JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20121018
Creation Date:	1/5/2013 22:15:26
Receipt Date:	20121025
Manifest ID:	010479358JJK
Trans EPA ID:	CAR000129759
Trans Name:	HAZARDOUS WASTE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.31
Waste Quantity:	620
Quantity Unit:	P

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC, 85901 AVENUE 53, COACHELLA, CA 922360000 (Continued)

Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

ARMTEC DEFENSE PRODUCTS INC. 85-901 AVENUE 53, COACHELLA, CA, 92236		1000397949
▲ A5	Target Property 89 ft. Below Sea Level	Lists of Federal RCRA generators Lists of state and tribal registered storage tanks Local Lists of Registered Storage Tanks Records of Emergency Release Reports Other Ascertainable Records

Worksheet:

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	20220225
Handler Name:	Armtec Defense Products Company
Handler Address:	Avenue 53
Handler City,State,Zip:	COACHELLA, CA 92236-0000
EPA ID:	CAD008252157
Contact Name:	ROBERT L FARMER
Contact Address:	AVENUE 53
Contact City,State,Zip:	COACHELLA, CA 92236-0000
Contact Telephone:	760-398-2626
Contact Fax:	760-398-2915
Contact Email:	LANCE.FARMER@ARMTECDEFENSE.COM
Contact Title:	DIRECTOR ENVIRONMENTAL HEALTH & SAFETY
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	2021
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities
State District Owner:	Not Reported
State District:	Not Reported
Mailing Address:	PO BOX 848
Mailing City,State,Zip:	COACHELLA, CA 92236
Owner Name:	Transdigm Group Inc.
Owner Type:	Private
Operator Name:	Armtec Defense Products Company
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not Reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20220616
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2021
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2021
Year:	2019
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2019
Year:	2017

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2017
Year:	2015
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2015
Year:	2013
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2013
Year:	2011
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2011
Year:	2009
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2009
Year:	2007
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2007
Year:	2005
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2005
Year:	2003
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2003
Year:	2001
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/envirofacts/br/report?handlerId=CAD008252157&reportingYear=2001

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D005
Waste Description:	Barium
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D009
Waste Description:	Mercury
Waste Code:	D011
Waste Description:	Silver
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Waste Code:	F001
Waste Description:	The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F005
Waste Description:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	U002
Waste Description:	2-Propanone (I) (Or) Acetone (I)
Waste Code:	U112
Waste Description:	Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)
Waste Code:	U223
Waste Description:	Benzene, 1,3-Diisocyanatomethyl- (R,T) (Or) Toluene Diisocyanate (R,T)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ESTERLINE(EDT-CAO)
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	85-901 AVENUE 53
Owner/Operator City,State,Zip:	COACHELLA, CA 92236-0000
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS CO.
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE TECHNOLOGIES
Legal Status:	Private
Date Became Current:	19980901
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	PO BOX 848
Owner/Operator City,State,Zip:	COACHELLA, CA 92236
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE CORPORATION
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH AVENUE NE
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	425-453-9400
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE TECHNOLOGIES
Legal Status:	Private

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Date Became Current:	19980901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH. AVE. NE, SUITE 1500
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE TECHNOLOGIES
Legal Status:	Private
Date Became Current:	19980901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH. AVENUE NE, SUITE150
Owner/Operator City,State,Zip:	BELLAVUE, WA 98004
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE CORPORATION
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH AVENUE NE
Owner/Operator City,State,Zip:	WASHINGTON, WA 98004
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TRANSDIGM GROUP INC.
Legal Status:	Private
Date Became Current:	20190301
Date Ended Current:	Not Reported
Owner/Operator Address:	1301 EAST 9TH ST.
Owner/Operator City,State,Zip:	CLEVELAND, OH 44114
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	85-901 AVENUE 53
Owner/Operator City,State,Zip:	COACHELLA, CA 92236-0000

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Owner/Operator Telephone:	760-541-5628
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	WILLIAM.MAITLAND@ARMTECDEFENSE.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCT COMPANY
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	85801 AVENUE 53
Owner/Operator City,State,Zip:	COACHELLA, CA 92236
Owner/Operator Telephone:	760-398-0143
Owner/Operator Telephone Ext:	1329
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE CORPORATION
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH AVENUE NE, SUITE
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	425-453-9400
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE CORPORATION
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH AVENUE NE, STE 1500.
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE CORPORATION
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	500 108TH AVENUE, NE
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	425-453-9400
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS CO.(ESTERLINE)
Legal Status:	Private
Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Legal Status:	Private

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Date Became Current:	19680901
Date Ended Current:	Not Reported
Owner/Operator Address:	85-901 AVENUE 53
Owner/Operator City,State,Zip:	COACHELLA, CA 92236-0000
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTERLINE TECHNOLOGY
Legal Status:	Private
Date Became Current:	19980901
Date Ended Current:	Not Reported
Owner/Operator Address:	10800 NE 8TH ST. SUITE 600
Owner/Operator City,State,Zip:	BELLEVUE, WA 98004
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TRANSDIGM GROUP INC.
Legal Status:	Private
Date Became Current:	20190301
Date Ended Current:	Not Reported
Owner/Operator Address:	1301 EAST 9TH ST.
Owner/Operator City,State,Zip:	CLEVELAND, OH 44114
Owner/Operator Telephone:	760-398-2626
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	LANCE.FARMER@ARMTECDEFENSE.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMTEC DEFENSE PRODUCTS
Legal Status:	Private
Date Became Current:	19680101
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20100615
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20120316
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20140301
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20160225
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20180321
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20200225
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20220225
Handler Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	19960901

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Handler Name:	ARMTEC DEFENSE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19900319
Handler Name:	ARMTEC DEFENSE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19900510
Handler Name:	ARMTEC DEFENSE PRODUCTS CO
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19920220
Handler Name:	ARMTEC DEFENSE PRODUCTS INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Electronic Manifest Broker:	Not Reported
Receive Date:	19940330
Handler Name:	ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	19960229
Handler Name:	ARMTEC DEFENSE PRODUCTS CO.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	19990304
Handler Name:	ARMTEC DEFENSE PRODUCTS CO.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20001012
Handler Name:	ARMTEC DEFENSE PRODUCTS CO
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20020205
Handler Name:	ARMTEC DEFENSE PRODUCTS CO.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20040301
Handler Name:	ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20060213
Handler Name:	ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20080226
Handler Name:	ARMTEC DEFENSE PRODUCTS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Code:	314999
NAICS Description:	ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS
NAICS Code:	326121
NAICS Description:	UNLAMINATED PLASTICS PROFILE SHAPE MANUFACTURING
NAICS Code:	327999
NAICS Description:	ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MANUFACTURING
NAICS Code:	332994
NAICS Description:	SMALL ARMS MANUFACTURING
NAICS Code:	332995
NAICS Description:	OTHER ORDNANCE AND ACCESSORIES MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20080708
Actual Return to Compliance Date:	20090808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	601
Date of Enforcement Action:	20080708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20090105
Actual Return to Compliance Date:	20090803
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20090311
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	JSCHO
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20080708
Actual Return to Compliance Date:	20090808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	601
Date of Enforcement Action:	20080708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20080708
Actual Return to Compliance Date:	20090808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	601
Date of Enforcement Action:	20080708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20090105
Actual Return to Compliance Date:	20090803
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20090311
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	JSCHO
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Evaluation Action Summary:

Evaluation Date:	20080708
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20090808
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19900924
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20090105
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20090803

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	19920928
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20080708
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20090808
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20031208
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20120508
Evaluation Responsible Agency:	State
Found Violation:	No

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20150922
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20200122
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20080708
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20090808
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20090105
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20090803
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

UST: Lists of state and tribal registered storage tanks

Name:	ARMTEC DEFENSE PRODUCTS CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	100
Permitting Agency:	RIVERSIDE COUNTY
CERSID:	Not Reported
Latitude:	33.663437
Longitude:	-116.165139
Owner type:	Not Reported
Facility type:	Not Reported
Num of inuse ust:	Not Reported
Num of closed ust:	Not Reported
Num of oos ust:	Not Reported
Epa region:	Not Reported
Tribal lands:	Not Reported
Tank owner name:	Not Reported
Tank owner mailing address:	Not Reported
Tank owner mailing city:	Not Reported
Tank owner mailing zip:	Not Reported
Tank owner mailing state:	Not Reported
Tank operator name:	Not Reported
Tank operator mailing address:	Not Reported
Tank operator mailing city:	Not Reported
Tank operator mailing zip:	Not Reported
Tank operator mailing state:	Not Reported
Tankidnumber:	Not Reported
Tank status:	Not Reported
Tank configuration:	Not Reported
Tank closure date:	Not Reported
Tank installation date:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Tank num of compartments:	Not Reported
Tank contents:	Not Reported
Tank capacity gallons:	Not Reported
Tank type:	Not Reported
Tank pc construction:	Not Reported
Tank pwpiping construction:	Not Reported
Tank piping type:	Not Reported
Tank piping construction:	Not Reported
Tank sacrificial anode:	Not Reported
Tank cp impressed current:	Not Reported
Tank cp shutoff:	Not Reported
Tank alarms:	Not Reported
Tank ball float:	Not Reported
Tank spill bucket:	Not Reported

AST: Lists of state and tribal registered storage tanks

Name:	ARMTEC DEFENSE PRODUCTS CO
Address:	85901 AVENUE 53
City/Zip:	COACHELLA,92236
Certified Unified Program Agencies:	Not Reported
Owner:	Esterline Corporation
Total Gallons:	Not Reported
CERSID:	10152951
Facility ID:	Not Reported
Business Name:	ARMTEC DEFENSE PRODUCTS INC
Phone:	7.6039801431e+013
Fax:	Not Reported
Mailing Address:	PO Box 848
Mailing Address City:	Coachella
Mailing Address State:	CA
Mailing Address Zip Code:	92236
Operator Name:	Attn: William Maitland
Operator Phone:	4254539400
Owner Phone:	4254539400
Owner Mail Address:	PO Box 848
Owner State:	CA
Owner Zip Code:	92236
Owner Country:	United States
Property Owner Name:	Not Reported
Property Owner Phone:	Not Reported
Property Owner Mailing Address:	Not Reported
Property Owner City:	Not Reported
Property Owner Stat :	Not Reported
Property Owner Zip Code:	Not Reported
Property Owner Country:	Not Reported
EPAID:	CAD008252157

SWEEPS UST: Local Lists of Registered Storage Tanks

Name:	ARMTEC DEFENSE PRODUCTS CO

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Address:	85901 AVENUE 53
City:	COACHELLA
Status:	Active
Comp Number:	20
Number:	1
Board Of Equalization:	44-017797
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	09-16-88
Owner Tank Id:	000158
SWRCB Tank Id:	33-000-000020-000001
Tank Status:	A
Capacity:	8000
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	XYLENE
Number Of Tanks:	1

LDS: Records of Emergency Release Reports

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Global Id:	L10007426352
Latitude:	33.66062
Longitude:	-116.1665
Case Type:	Land Disposal Site
Status:	Open - Operating
Status Date:	12/01/1989
Lead Agency:	COLORADO RIVER BASIN RWQCB (REGION 7)
Caseworker:	SS
Local Agency:	Not Reported
RB Case Number:	7A332005012
LOC Case Number:	Not Reported
File Location:	Not Reported
Potential Media Affect:	Not Reported
EDR Link ID:	L10007426352
Potential Contaminants of Concern:	Not Reported
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not Reported
Begin Date:	Not Reported
Leak Reported Date:	Not Reported
How Discovered:	Not Reported
How Discovered Description:	Not Reported
Discharge Source:	Not Reported
Discharge Cause:	Not Reported
Stop Method:	Not Reported

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Stop Description:	Not Reported
No Further Action Date:	Not Reported
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Title 27 - Surface Impoundment
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LDS&global_id=L10007426352

FINDS: Other Ascertainable Records

Registry ID:	110064261258
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110064261258

Environmental Interest/Information System:

THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES

Registry ID:	110070747096
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070747096

Environmental Interest/Information System:

All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database

Registry ID:	110000479107
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110000479107

Environmental Interest/Information System:

THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES

The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6Ugh6VTNUfCOgvfthSM333bdVHsnTNmDNA.cAdx6fU1PCLbdOmMy7lMAv.3Tf4DCtZmj3MkCST8mMK5x3X4m5OVg3QiabDpfdJLN3.5zHLOfsjt0ncPu5SU5NFM3mzbWDYKRC1X4AmXo.9EUci3dAReAdHZxxVjZ6De36mdLUUltgQyDhCE733XFVYBBTGUkNzZw9zI8fMwwCuXTOJDD3Vzuvn6vfgqRtqdJ9PeoSUC9Muu33ubt44Ia35yObSGCdPlg7t04HhxZsoRQngbY5nmdNfLXmuhTDyth7dcyANLq.nr4c6D96unfUOCegBj0h7xj4mhgVujITPF6NYSW3x5nf4Q6CcwfO7W3AVonvPwWfhXStnmJ9.EASAndMgP830S0B.NR309ob5MQdoId5AtyH5vbshzxnGbq5Te9NS.emsvCD91X3IfWAgsZ.HDscrLI9uE7dkL7xbg96m.q2jd6UweR1OwdPivM5WRULhj3bo5zdhM6vN0wmUf.M5z3yA5m6qgCUqeTgmIKhdLo4VnpVO3JTSKSNqpd37hrfzF6Cj31O9Jg4V9VvH4gfP6ytRg53CndSxP4MPRR36Xm3cNo3RJwbk3Jd.ye3pzRHJz.sgaQnChB6doENEsnmxQ1DXXWCy6jAnGR.vixcLsPAw6ydhUxxhzd6klnCPj6Untm1bQDPQ6V7aT1LGcLbKaFdSBJCuqqm5OhMPQMyEBR3 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1000397949
Registry ID:	110000479107
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000479107
Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236

ENF: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Armtec Defense Products Company
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.018
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	7A332005012
Reg Measure Id:	131662
Reg Measure Type:	WDR
Region:	7
Order #:	02-106
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	N - No
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Historical
Status Date:	06/14/2016
Effective Date:	06/26/2002
Expiration/Review Date:	06/26/2012
Termination Date:	11/13/2013
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	249394
Region:	7

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	07/29/2002
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	07/29/2002 Notice of Violation No. R7-2002-0185 issued for failure to submit 2002 2nd Quarter M&R
Program:	LFNONOPER
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Not Reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not Reported
# Of Agencies:	Not Reported
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Enf Action

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	Not Reported
Program Category1:	Not Reported
Program Category2:	WDR
# Of Programs:	Not Reported
WDID:	Not Reported
Reg Measure Id:	Not Reported
Reg Measure Type:	Not Reported
Region:	Not Reported
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Not Reported
Status Date:	Not Reported
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	Not Reported
Individual/General:	Not Reported
Fee Code:	Not Reported
Direction/Voice:	Not Reported
Enforcement Id(EID):	232817
Region:	7
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/29/2000
Adoption/Issuance Date:	Not Reported
Achieve Date:	9/29/2000
Termination Date:	09/29/2000
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Title:	Enforcement - 7A332005012
Description:	Nompliance ltr issued for past viols. Discharger informed that strict adherence to all Specifications and Prohibition in Order No. 91-043 is required.
Program:	WDR
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Not Reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not Reported
# Of Agencies:	Not Reported
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Program:	Not Reported
Program Category1:	Not Reported
Program Category2:	WDR
# Of Programs:	Not Reported
WDID:	Not Reported
Reg Measure Id:	Not Reported
Reg Measure Type:	Not Reported
Region:	Not Reported
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Not Reported
Status Date:	Not Reported
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	Not Reported
Individual/General:	Not Reported
Fee Code:	Not Reported
Direction/Voice:	Not Reported
Enforcement Id(EID):	232816
Region:	7
Order / Resolution Number:	R7-2000-0135
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/28/2000
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	11/18/2002
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	09/28/2000 CAO 00-135 issued for discharge of 4Methyl 2Pentanone, Acetone, Xylenes and Diphenylamine which may impair the benefical uses of ground water
Program:	WDR
Latest Milestone Completion Date:	5/30/2001
# Of Programs1:	1

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Region:	7
Facility Id:	206368
Agency Name:	Not Reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not Reported
# Of Agencies:	Not Reported
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	3483
SIC Desc 1:	Ammunition, Except for Small Arms
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	Not Reported
Program Category1:	Not Reported
Program Category2:	WDR
# Of Programs:	Not Reported
WDID:	Not Reported
Reg Measure Id:	Not Reported
Reg Measure Type:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Region:	Not Reported
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Not Reported
Status Date:	Not Reported
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	Not Reported
Individual/General:	Not Reported
Fee Code:	Not Reported
Direction/Voice:	Not Reported
Enforcement Id(EID):	232648
Region:	7
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/21/2000
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	07/21/2000
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 7A332005012
Description:	07/21/2000 Noncompliance ltr issued for acute toxicity for sampled collected on 06/06/2000 which exhibited 0% survival. Request information on how the viols occurred and discuss how and when the facility will come back into compliance.
Program:	WDR
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Project $ Completed:	0
Total $ Paid/Completed Amount:	0

WDS: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS 02-106
Address:	85901 AVE 53
City:	COACHELLA
Facility ID:	West Colorado River 332005012
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not Reported
Subregion:	7
Facility Telephone:	7603980143
Facility Contact:	RON DIFELICE
Agency Name:	ARMTEC DEFENSE PRODUCTS CO.
Agency Address:	PO BOX 848
Agency City,St,Zip:	COACHELLA 92236
Agency Contact:	RON DIFELICE
Agency Telephone:	7603980143
Agency Type:	Private
SIC Code:	3483
SIC Code 2:	Not Reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	WSHWTR
Waste Type2:	Not Reported
Waste2:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not Reported
Secondary Waste Type:	Not Reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Agency:	Armtec Defense Products Company

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Agency Address:	Po Box 848, Coachella, CA 92236
Place/Project Type:	Manufacturing NEC
SIC/NAICS:	3483
Region:	7
Program:	LNDISPOTH, WDR
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	R7-2013-0063
WDID:	7A332005012
NPDES Number:	Not Reported
Adoption Date:	11/14/2013
Effective Date:	11/14/2013
Termination Date:	Not Reported
Expiration/Review Date:	11/14/2023
Design Flow:	0.018
Major/Minor:	Not Reported
Complexity:	B
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not Reported
Longitude:	Not Reported

CERS: Other Ascertainable Records

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	6880
CERS ID:	206368
CERS Description:	Land Disposal

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Eval General Type:	Compliance Sampling Inspection
Eval Date:	05-17-1996
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2013
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2020
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-1996
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-18-2005
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-14-2000
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Eval Source:	CIWQS,
Eval General Type:	Compliance Sampling Inspection
Eval Date:	12-09-1998
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,

Enforcement Action:

Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	07-21-2000
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,
Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	07-29-2002
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,
Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	09-28-2000
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	09-29-2000
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SCOT STORMO - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title:	Not Reported
Affiliation Address:	73720 Fred Waring Dr., Ste 100
Affiliation City:	PALM DESERT
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	7607768964,

Name:	ARMTEC DEFENSE PRODUCTS
Address:	85901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
Site ID:	6880
CERS ID:	L10007426352
CERS Description:	Land Disposal Site

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Eval General Type:	Compliance Sampling Inspection
Eval Date:	05-17-1996
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2013
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2020
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-1996
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-18-2005
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-14-2000
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Eval Source:	CIWQS,
Eval General Type:	Compliance Sampling Inspection
Eval Date:	12-09-1998
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not Reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS,

Enforcement Action:

Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	07-21-2000
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,
Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	07-29-2002
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,
Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	09-28-2000
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Site ID:	6880
Site Name:	ARMTEC DEFENSE PRODUCTS
Site Address:	85901 AVE 53
Site City:	COACHELLA
Site Zip:	92236
Enf Action Date:	09-29-2000
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not Reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS,

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SCOT STORMO - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title:	Not Reported
Affiliation Address:	73720 Fred Waring Dr., Ste 100
Affiliation City:	PALM DESERT
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	7607768964,

E MANIFEST: Other Ascertainable Records

Manifest Tracking Number:	019175124JJK
Last Updated Date:	20191015
Shipped Date:	20181010
Received Date:	20181019
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	AZR000520304

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Designated Facility Name:	AA SYDCOL LLC
Designated Facility Mail Street Number:	Not Reported
Designated Facility Mail Street 1:	Not Reported
Designated Facility Mail Street 2:	3155 GOLDEN WILLOW CT
Designated Facility Mail City:	YORBA LINDA
Designated Facility Mail Zip:	92886-1303
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	Not Reported
Designated Facility Location Street 1:	2264 E 13TH ST
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	YUMA
Designated Facility Location Zip:	85365-1858
Designated Facility Location State:	AZ
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019175125JJK
Last Updated Date:	20191002
Shipped Date:	20181010
Received Date:	20181015
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	CAT080013352
Designated Facility Name:	DEMENNO/KERDOON
Designated Facility Mail Street Number:	2000
Designated Facility Mail Street 1:	CA90222 CA037US 2000
Designated Facility Mail Street 2:	2000 N. ALAMEDA STREET
Designated Facility Mail City:	COMPTON
Designated Facility Mail Zip:	90222
Designated Facility Mail State:	CA

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Designated Facility Location Street Number:	2000
Designated Facility Location Street 1:	2000 N. ALAMEDA STREET
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	COMPTON
Designated Facility Location Zip:	90222-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019175165JJK
Last Updated Date:	20181108
Shipped Date:	20181010
Received Date:	20181018
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236
Generator Location Street Number:	Not Reported
Generator Location Street 1:	85901 AVENUE 53
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	CAD097030993
Designated Facility Name:	US ECOLOGY VERNON, INC.
Designated Facility Mail Street Number:	5375
Designated Facility Mail Street 1:	Not Reported
Designated Facility Mail Street 2:	5375 SOUTH BOYLE AVENUE
Designated Facility Mail City:	VERNON
Designated Facility Mail Zip:	90058
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	5375
Designated Facility Location Street 1:	5375 SOUTH BOYLES AVENUE
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	VERNON
Designated Facility Location Zip:	90058
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019175167JJK
Last Updated Date:	20181029
Shipped Date:	20181010
Received Date:	20181019
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236
Generator Location Street Number:	Not Reported
Generator Location Street 1:	85901 AVENUE 53
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	US ECOLOGY NEVADA, INC
Designated Facility Mail Street Number:	Not Reported
Designated Facility Mail Street 1:	Not Reported
Designated Facility Mail Street 2:	PO BOX 578
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street Number:	Not Reported
Designated Facility Location Street 1:	HWY 95 11 MI S OF BEATTY
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019176964JJK
Last Updated Date:	20191101
Shipped Date:	20190109
Received Date:	20190119
Manifest Status:	Signed
Submission Type:	DataImage5Copy

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	AZR000520304
Designated Facility Name:	AA SYDCOL LLC
Designated Facility Mail Street Number:	Not Reported
Designated Facility Mail Street 1:	Not Reported
Designated Facility Mail Street 2:	3155 GOLDEN WILLOW CT
Designated Facility Mail City:	YORBA LINDA
Designated Facility Mail Zip:	92886-1303
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	Not Reported
Designated Facility Location Street 1:	2264 E 13TH ST
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	YUMA
Designated Facility Location Zip:	85365-1858
Designated Facility Location State:	AZ
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019176966JJK
Last Updated Date:	20190202
Shipped Date:	20190109
Received Date:	20190117
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	CAD097030993
Designated Facility Name:	US ECOLOGY VERNON INC
Designated Facility Mail Street Number:	5375
Designated Facility Mail Street 1:	CA90058 CA037US 5375
Designated Facility Mail Street 2:	5375 SOUTH BOYLE AVENUE
Designated Facility Mail City:	VERNON
Designated Facility Mail Zip:	90058
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	5375
Designated Facility Location Street 1:	5375 SOUTH BOYLE AVENUE
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	LOS ANGELES
Designated Facility Location Zip:	90058-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019176967JJK
Last Updated Date:	20190206
Shipped Date:	20190109
Received Date:	20190118
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY INC
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85-901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	US ECOLOGY NEVADA, INC
Designated Facility Mail Street Number:	Not Reported
Designated Facility Mail Street 1:	Not Reported
Designated Facility Mail Street 2:	PO BOX 578
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street Number:	Not Reported
Designated Facility Location Street 1:	HWY 95 11 MI S OF BEATTY
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019176971JJK
Last Updated Date:	20210620
Shipped Date:	20190109
Received Date:	20190125
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCT
Generator Mail Street Number:	Not Reported
Generator Mail Street 1:	85901 AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236
Generator Location Street Number:	Not Reported
Generator Location Street 1:	85901 Avenue 53
Generator Location Street 2:	Not Reported
Generator Location City:	Coachella
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Armtec Defense Product
Designated Facility EPA ID:	ARD069748192
Designated Facility Name:	Clean Harbors El Dorado LLC
Designated Facility Mail Street Number:	Not Reported
Designated Facility Mail Street 1:	Not Reported
Designated Facility Mail Street 2:	309 American Circle
Designated Facility Mail City:	El Dorado
Designated Facility Mail Zip:	71730
Designated Facility Mail State:	AR

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Designated Facility Location Street Number:	Not Reported
Designated Facility Location Street 1:	309 American Circle
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	El Dorado
Designated Facility Location Zip:	71730
Designated Facility Location State:	AR
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	021867964JJK
Last Updated Date:	20210201
Shipped Date:	20210113
Received Date:	20210113
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Generator Mail Street Number:	85-901
Generator Mail Street 1:	AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	CAD008488025
Designated Facility Name:	PHIBRO-TECH INC
Designated Facility Mail Street Number:	8851
Designated Facility Mail Street 1:	CA90670 CA037US 8851
Designated Facility Mail Street 2:	DICE ROAD
Designated Facility Mail City:	SANTA FE SPRINGS
Designated Facility Mail Zip:	90670
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	8851
Designated Facility Location Street 1:	DICE ROAD
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	SANTA FE SPRINGS
Designated Facility Location Zip:	90670-2515
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	014073359FLE
Last Updated Date:	20210111
Shipped Date:	20201124
Received Date:	20201124
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Generator Mail Street Number:	85-901
Generator Mail Street 1:	AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	CAD008488025
Designated Facility Name:	PHIBRO-TECH INC
Designated Facility Mail Street Number:	8851
Designated Facility Mail Street 1:	CA90670 CA037US 8851
Designated Facility Mail Street 2:	DICE ROAD
Designated Facility Mail City:	SANTA FE SPRINGS
Designated Facility Mail Zip:	90670
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	8851
Designated Facility Location Street 1:	DICE ROAD
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	SANTA FE SPRINGS
Designated Facility Location Zip:	90670-2515
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	014073432FLE
Last Updated Date:	20210115
Shipped Date:	20201202
Received Date:	20201204
Manifest Status:	Signed
Submission Type:	DataImage5Copy

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Origin Type:	Web
Generator EPA ID:	CAD008252157
Generator Name:	ARMTEC DEFENSE PRODUCTS COMPANY
Generator Mail Street Number:	85-901
Generator Mail Street 1:	AVENUE 53
Generator Mail Street 2:	Not Reported
Generator Mail City:	COACHELLA
Generator Mail State:	CA
Generator Mail Zip:	92236-0000
Generator Location Street Number:	Not Reported
Generator Location Street 1:	PO BOX 848
Generator Location Street 2:	Not Reported
Generator Location City:	COACHELLA
Generator Location Zip:	92236
Generator Location State:	CA
Generator Contact Company Name:	Not Reported
Designated Facility EPA ID:	CAD008488025
Designated Facility Name:	PHIBRO-TECH INC
Designated Facility Mail Street Number:	8851
Designated Facility Mail Street 1:	CA90670 CA037US 8851
Designated Facility Mail Street 2:	DICE ROAD
Designated Facility Mail City:	SANTA FE SPRINGS
Designated Facility Mail Zip:	90670
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	8851
Designated Facility Location Street 1:	DICE ROAD
Designated Facility Location Street 2:	Not Reported
Designated Facility Location City:	SANTA FE SPRINGS
Designated Facility Location Zip:	90670-2515
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not Reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Federal Waste:

Manifest Tracking Number:	014073464FLE
Waste Line Number:	1
Federal Waste Code:	D002
Federal Waste:	CORROSIVE WASTE

State Waste:

Manifest Tracking Number:	014073464FLE
Waste Line Number:	1
State Waste Code Owner:	CA
State Waste Code:	121
State Waste:	Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Transporter:

Manifest Tracking Number:	014073464FLE
Transporter Line Number:	1
Transporter EPA ID:	CAR000241448
Transporter Name:	ENVIRONMENTAL & CHEMICAL CONSULTING INC

Waste Line:

Manifest Tracking Number:	014073464FLE
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1824
U.S. DOT Description:	RQ , UN1824 WASTE SODIUM HYDROXIDE SOLUTION ,8, PGII
Non-Hazardous Waste Description:	Not Reported
Number of Containers:	1
Container Type Code:	TT
Container Type Description:	Cargo tanks (tank trucks)
Waste Quantity:	3500
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	14.595496
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	14.595496
Waste Quantity, in Kilograms:	13238.554
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	13238.554
Management Method Code:	H010
Management Method Description:	METALS RECOVERY
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not Reported
Waste Density Unit of Measure Code:	Not Reported
Waste Density Unit of Measure Description:	Not Reported
Form Code:	Not Reported
Form Code Description:	Not Reported
Source Code:	Not Reported
Source Code Description:	Not Reported
Waste Minimization Code:	Not Reported
Waste Minimization Code Description:	Not Reported
Consent Number:	Not Reported
EPA Waste Indicator:	Y

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS INC., 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

The Click here to access 268 additional US EManifest: record(s) in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6Ugh6VTNUfCOgvfthSM333bdVHsnTNmDNA.cAdx6fU1PCLbdOmMy7lMAv.3Tf4DCtZmj3MkCST8mMK5x3X4m5OVg3QiabDpfdJLN3.5zHLOfsjt0ncPu5SU5NFM3mzbWDYKRC1X4AmXo.9EUci3dAReAdHZxxVjZ6De36mdLUUltgQyDhCE733XFVYBBTGUkNzZw9zI8fMwwCuXTOJDD3Vzuvn6vfgqRtqdJ9PeoSUC9Muu33ubt44Ia35yObSGCdPlg7t04HhxZsoRQngbY5nmdNfLXmuhTDyth7dcyANLq.nr4c6D96unfUOCegBj0h7xj4mhgVujITPF6NYSW3x5nf4Q6CcwfO7W3AVonvPwWfhXStnmJ9.EASAndMgP830S0B.NR309ob5MQdoId5AtyH5vbshzxnGbq5Te9NS.emsvCD91X3IfWAgsZ.HDscrLI9uE7dkL7xbg96m.q2jd6UweR1OwdPivM5WRULhj3bo5zdhM6vN0wmUf.M5z3yA5m6qgCUqeTgmIKhdLo4VnpVO3JTSKSNqpd37hrfzF6Cj31O9Jg4V9VvH4gfP6ytRg53CndSxP4MPRR36Xm3cNo3RJwbk3Jd.ye3pzRHJz.sgaQnChB6doENEsnmxQ1DXXWCy6jAnGR.vixcLsPAw6ydhUxxhzd6klnCPj6Untm1bQDPQ6V7aT1LGcLbKaFdSBJCuqqm5OhMPQMyEBR3 additional records for this site. Please contact your EDR Account Executive for more information.

ARMTEC DEFENSE PROD. CO 85901 AVENUE 53, COACHELLA, CA, 92236		S100220207
▲ A6	Target Property 89 ft. Below Sea Level	Records of Emergency Release Reports Other Ascertainable Records

Worksheet:

CHMIRS: Records of Emergency Release Reports

Name:	Not Reported
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
OES Incident Number:	012040
OES notification:	Not Reported
OES Date:	Not Reported
OES Time:	Not Reported
Date Completed:	**27-JUL-90**
Property Use:	600
Agency Id Number:	33090
Agency Incident Number:	30579
Time Notified:	730
Time Completed:	1130
Surrounding Area:	400
Estimated Temperature:	100
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	2
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not Reported
Vehicle License Number:	Not Reported
Vehicle State:	Not Reported
Vehicle Id Number:	Not Reported
CA DOT PUC/ICC Number:	Not Reported
Company Name:	Not Reported
Reporting Officer Name/ID:	RON REYNOLDS FC

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Report Date:	28-JUL-90
Facility Telephone:	714 657-3183
Waterway Involved:	Not Reported
Waterway:	Not Reported
Spill Site:	Not Reported
Cleanup By:	Not Reported
Containment:	Not Reported
What Happened:	Not Reported
Type:	Not Reported
Measure:	Not Reported
Other:	Not Reported
Date/Time:	Not Reported
Year:	88-92
Agency:	Not Reported
Incident Date:	27-JUL-90
Admin Agency:	Not Reported
Amount:	Not Reported
Contained:	Not Reported
Site Type:	Not Reported
E Date:	30-MAY-91
Substance:	Not Reported
Unknown:	Not Reported
Substance #2:	Not Reported
Substance #3:	Not Reported
Evacuations:	Not Reported
Number of Injuries:	Not Reported
Number of Fatalities:	Not Reported
#1 Pipeline:	Not Reported
#2 Pipeline:	Not Reported
#3 Pipeline:	Not Reported
#1 Vessel >= 300 Tons:	Not Reported
#2 Vessel >= 300 Tons:	Not Reported
#3 Vessel >= 300 Tons:	Not Reported
Evacs:	Not Reported
Injuries:	Not Reported
Fatals:	Not Reported
Comments:	N
Description:	Not Reported

EMI: Other Ascertainable Records

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1997
County Code:	33
Air Basin:	SC
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1999
County Code:	33
Air Basin:	SC
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2000
County Code:	33
Air Basin:	SC
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	21

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2009
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.6679642911979808
Reactive Organic Gases Tons/Yr:	4.3405899999999997
Carbon Monoxide Emissions Tons/Yr:	0.43668000000000001
NOX - Oxides of Nitrogen Tons/Yr:	3.6299999999999999
SOX - Oxides of Sulphur Tons/Yr:	0.15415000000000001
Particulate Matter Tons/Yr:	0.69603999999999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.29687103999999997

Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2010
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.6224898981900502
Reactive Organic Gases Tons/Yr:	3.9618799999999998
Carbon Monoxide Emissions Tons/Yr:	0.70198000000000005
NOX - Oxides of Nitrogen Tons/Yr:	4.6854300000000002
SOX - Oxides of Sulphur Tons/Yr:	0.17724000000000001
Particulate Matter Tons/Yr:	0.85451999999999995

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.39400236
Name:	ARMTEC DEFENSE PROD. CO
Address:	85901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2011
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.2938694806
Reactive Organic Gases Tons/Yr:	3.06764
Carbon Monoxide Emissions Tons/Yr:	0.6335
NOX - Oxides of Nitrogen Tons/Yr:	3.63257
SOX - Oxides of Sulphur Tons/Yr:	0.12043
Particulate Matter Tons/Yr:	0.65453
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.6541084

ARMTEC DEFENSE PROD CO 85 901 AVENUE 53, COACHELLA, CA, 92236		1023692151	
▲ A7	WNW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	Equal Elevation	89 ft. Below Sea Level	

Worksheet:

FINDS: Other Ascertainable Records

Registry ID:	110070089179
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070089179

Environmental Interest/Information System:

The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6Ugh6VTNUfCOgvfthSM333bdVHsnTNmDNA.cAdx6fU1PCLbdOmMy7IMAv.3Tf4DCtZmj3MkCST8mMK5x3X4m5OVg3QiabDpfdJLN3.5zHLOfsjt0ncPu5SU5NFM3mzbWDYKRC1X4AmXo.9EUci3dAReAdHZxxVjZ6De36mdLUUltgQyDhCE733XFVYBBTGUkNzZw9zI8fMwwCuXTOJDD3Vzuvn6vfgqRtqdJ9PeoSUC9Muu33ubt44Ia35yObSGCdPlg7t04HhxZsoRQngbY5nmdNfLXmuhTDyth7dcyANLq.nr4c6D96unfUOCegBj0h7xj4mhgVujITPF6NYSW3x5nf4Q6CcwfO7W3AVonvPwWfhXStnmJ9.EASAndMgP830S0B.NR309ob5MQdoId5AtyH5vbshzxnGbq5Te9NS.emsvCD91X3IfWAgsZ.HDscrLI9uE7dkL7xbg96m.q2jd6UweR1OwdPivM5WRULhj3bo5zdhM6vN0wmUf.M5z3yA5m6qgCUqeTgmIKhdLo4VnpVO3JTSKSNqpd37hrfzF6Cj31O9Jg4V9VvH4gfP6ytRg53CndSxP4MPRR36Xm5cNo3RJwbk3Jd.ye6pzRHJz.sgaQnChB9doENEsnmxQ1DXXWCy6jAnGR.vixcLsP5w6ydhUxxhzd6kln4Pj6Untm1bQDPQ6V8aT1LGcLbKaFdSBJ4uqqm5OhMPQMyEBR3
additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

ARMTEC DEFENSE PROD CO, 85 901 AVENUE 53, COACHELLA, CA 92236 (Continued)

ECHO: Other Ascertainable Records

Envid:	1023692151
Registry ID:	110070089179
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070089179
Name:	ARMTEC DEFENSE PROD CO
Address:	85 901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236

ARMTEC DEFENSE PROD. CO P.O. BOX 1110, COACHELLA, CA, 92236			S108431059
▲ A8	WNW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	Equal Elevation	89 ft. Below Sea Level	

Worksheet:

EMI: Other Ascertainable Records

Name:	ARMTEC DEFENSE PROD. CO
Address:	P.O. BOX 1110
City,State,Zip:	COACHELLA, CA 92236
Year:	2005
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	10.01303
Reactive Organic Gases Tons/Yr:	6.452215399
Carbon Monoxide Emissions Tons/Yr:	.56988
NOX - Oxides of Nitrogen Tons/Yr:	4.6701
SOX - Oxides of Sulphur Tons/Yr:	.18074
Particulate Matter Tons/Yr:	.90435
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.3652696

ARMTEC DEFENSE PROD. CO 85-901 AVENUE 53, COACHELLA, CA, 92236			S106826234
▲ A9	WNW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	Equal Elevation	89 ft. Below Sea Level	

Worksheet:

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

DRYCLEAN SOUTH COAST: Other Ascertainable Records

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	01323E
Permit Number:	E05310
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	000265
BCAT Description:	OVEN, DRYING
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	01/15/1982
PO Issue Date:	02/18/1982
NAICS Code:	332994
SIC Code:	3082

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	213437
Permit Number:	D30173
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	000265
BCAT Description:	OVEN, DRYING
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	09/28/1989
PO Issue Date:	08/14/1990
NAICS Code:	332994
SIC Code:	3082

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	213440
Permit Number:	D30197
Status:	Sold

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	Not Reported
BCAT Description:	Not Reported
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	09/28/1989
PO Issue Date:	08/14/1990
NAICS Code:	332994
SIC Code:	3082

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Facility ID:	74408
Application Number:	01325E
Permit Number:	E05311
Status:	Sold
Representative Name:	WILLIAM MAITLAND
Representative Telephone:	760 3980143
Permit Status:	INACTIVE
BCAT Number:	000265
BCAT Description:	OVEN, DRYING
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	577.28900146
UTM North:	3725.019043
Application Date:	12/31/9999
PO Issue Date:	02/18/1982
NAICS Code:	332994
SIC Code:	3082

EMI: Other Ascertainable Records

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AV 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1990
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1993
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	38
Reactive Organic Gases Tons/Yr:	32
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1995
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	38
Reactive Organic Gases Tons/Yr:	32
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1996
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	28
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	1998
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

City,State,Zip:	COACHELLA, CA 92236
Year:	2002
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	13
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2003
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	13
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2004
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.66414
Reactive Organic Gases Tons/Yr:	11.8
Carbon Monoxide Emissions Tons/Yr:	0.6304
NOX - Oxides of Nitrogen Tons/Yr:	5.5452
SOX - Oxides of Sulphur Tons/Yr:	0.206526
Particulate Matter Tons/Yr:	1.08559
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.42

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2006
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.19705277648169588
Reactive Organic Gases Tons/Yr:	10.335
Carbon Monoxide Emissions Tons/Yr:	.57
NOX - Oxides of Nitrogen Tons/Yr:	5.656
SOX - Oxides of Sulphur Tons/Yr:	.235
Particulate Matter Tons/Yr:	1.169
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.4347

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2007
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Total Organic Hydrocarbon Gases Tons/Yr:	16.19705277648169588
Reactive Organic Gases Tons/Yr:	10.335
Carbon Monoxide Emissions Tons/Yr:	.57
NOX - Oxides of Nitrogen Tons/Yr:	5.656
SOX - Oxides of Sulphur Tons/Yr:	.235
Particulate Matter Tons/Yr:	1.169
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.4347

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2008
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.44414979602946996
Reactive Organic Gases Tons/Yr:	9.3477994
Carbon Monoxide Emissions Tons/Yr:	.445897
NOX - Oxides of Nitrogen Tons/Yr:	3.67
SOX - Oxides of Sulphur Tons/Yr:	.13390295
Particulate Matter Tons/Yr:	.70316575
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.30416575

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2012
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.1775366742
Reactive Organic Gases Tons/Yr:	3.98891
Carbon Monoxide Emissions Tons/Yr:	0.44705
NOX - Oxides of Nitrogen Tons/Yr:	2.91466
SOX - Oxides of Sulphur Tons/Yr:	0.11451

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Particulate Matter Tons/Yr:	0.5851
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26162264
Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2013
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.0922912194
Reactive Organic Gases Tons/Yr:	3.62247
Carbon Monoxide Emissions Tons/Yr:	0.44526
NOX - Oxides of Nitrogen Tons/Yr:	3.04609
SOX - Oxides of Sulphur Tons/Yr:	0.11699
Particulate Matter Tons/Yr:	0.56904
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.2423215
Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2014
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.5822813702
Reactive Organic Gases Tons/Yr:	4.43502
Carbon Monoxide Emissions Tons/Yr:	0.32822
NOX - Oxides of Nitrogen Tons/Yr:	1.10894
SOX - Oxides of Sulphur Tons/Yr:	0.00804
Particulate Matter Tons/Yr:	0.10395
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.10388284
Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

City,State,Zip:	COACHELLA, CA 92236
Year:	2015
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.771815545
Reactive Organic Gases Tons/Yr:	13.462959237
Carbon Monoxide Emissions Tons/Yr:	0.27495605
NOX - Oxides of Nitrogen Tons/Yr:	0.9351466
SOX - Oxides of Sulphur Tons/Yr:	0.006400165
Particulate Matter Tons/Yr:	2.30952285
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.309475024

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2016
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.6421684978
Reactive Organic Gases Tons/Yr:	2.792411
Carbon Monoxide Emissions Tons/Yr:	0.189262
NOX - Oxides of Nitrogen Tons/Yr:	0.600329
SOX - Oxides of Sulphur Tons/Yr:	0.00620101
Particulate Matter Tons/Yr:	0.0703895
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.07038656

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2017
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.7415708471
Reactive Organic Gases Tons/Yr:	2.8161135
Carbon Monoxide Emissions Tons/Yr:	0.26621
NOX - Oxides of Nitrogen Tons/Yr:	0.93389
SOX - Oxides of Sulphur Tons/Yr:	0.00713016
Particulate Matter Tons/Yr:	0.063174
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.063152664

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2019
County Code:	33
Air Basin:	SS
Facility ID:	74408
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2820666644
Reactive Organic Gases Tons/Yr:	1.09413815
Carbon Monoxide Emissions Tons/Yr:	0.22769225
NOX - Oxides of Nitrogen Tons/Yr:	0.72645185
SOX - Oxides of Sulphur Tons/Yr:	0.005696725
Particulate Matter Tons/Yr:	0.0750933
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0748525299

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2020
County Code:	33
Air Basin:	SS
Facility ID:	192155
Air District Name:	SC
SIC Code:	3082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE PROD. CO, 85-901 AVENUE 53, COACHELLA, CA 92236 (Continued)

Total Organic Hydrocarbon Gases Tons/Yr:	1.6144868846
Reactive Organic Gases Tons/Yr:	0.7474018
Carbon Monoxide Emissions Tons/Yr:	0.3001536
NOX - Oxides of Nitrogen Tons/Yr:	1.0201654
SOX - Oxides of Sulphur Tons/Yr:	0.007783416
Particulate Matter Tons/Yr:	0.08000596
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.07970592424

Name:	ARMTEC DEFENSE PROD. CO
Address:	85-901 AVENUE 53
City,State,Zip:	COACHELLA, CA 92236
Year:	2021
County Code:	33
Air Basin:	SS
Facility ID:	192155
Air District Name:	SC
SIC Code:	3489
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.3831179373
Reactive Organic Gases Tons/Yr:	0.675719532
Carbon Monoxide Emissions Tons/Yr:	0.141793693
NOX - Oxides of Nitrogen Tons/Yr:	0.39544842
SOX - Oxides of Sulphur Tons/Yr:	0.004276128
Particulate Matter Tons/Yr:	0.053891405
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.05376836597

ARMTEC DEFENSE TECHNOLOGIES 85-901 AVE 53, COACHELLA, CA, 92236			1017428055
▲ B10	NNE <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	1 ft. Higher Elevation	88 ft. Below Sea Level	

Worksheet:

Facility, Chemical, Releases and Other Waste Management Summary Information: Other Ascertainable Records

TRI ID:	92236RMTCD85901
Form Type:	Form R
Reporting year:	2022
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	ENVIRONMENTAL ENGINEER WILLIAM MAITLAND
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2023-06-16

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Name:	ARMTEC DEFENSE TECHNOLOGIES
Address:	85-901 AVE 53
City,State,Zip:	COACHELLA, CA 92236
BIA code:	Not Reported
Tribe name:	Not Reported
Mailing name:	ARMTEC DEFENSE TECHNOLOGIES
Mailing street:	85-901 AVE 53
Mailing province:	Not Reported
Mailing City,State,Zip:	COACHELLA, CA 92236
Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	WILLIAM MAITLAND
Public contact phone and Ext:	7605415628
Public contact email:	WILLIAM.MAITLAND@ARMTECDEFENSE.COM
Primary sic code:	Not Reported
Sic code 2:	Not Reported
Sic code 3:	Not Reported
Sic code 4:	Not Reported
Sic code 5:	Not Reported
Sic code 6:	Not Reported
Naics origin:	Not Reported
Primary naics code:	332994
Naics code 2:	Not Reported
Naics code 3:	Not Reported
Naics code 4:	Not Reported
Naics code 5:	Not Reported
Naics code 6:	Not Reported
Latitude:	33.663931
Longitude:	-116.16593
D and B number A:	611068453
D and B number B:	Not Reported
RCRA number A:	CAD008252157
RCRA number B:	Not Reported
RCRA number C:	Not Reported
RCRA number D:	Not Reported
RCRA number E:	Not Reported
RCRA number F:	Not Reported
RCRA number G:	Not Reported
RCRA number H:	Not Reported
NPDES number A:	Not Reported
NPDES number B:	Not Reported
NPDES number C:	Not Reported
NPDES number D:	Not Reported
NPDES number E:	Not Reported
NPDES number F:	Not Reported
NPDES number G:	Not Reported
Parent company name:	TRANSDIGM INC

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Parent company D and B number:	808784326
Standardized parent company name:	TRANSDIGM INC
Document control number:	1322220834283
TRI ID:	92236RMTCD85901
Cas number:	0000100414
Chemical name:	Ethylbenzene
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not Reported
Revision code 2:	Not Reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	1
Fugitive air emissions - total release range code:	Not Reported
Total fugitive air emissions:	1
Fugitive air emissions - basis of estimate:	Mass Balance Calculations
Stack air emissions - release pounds:	293
Stack air emissions - release range code:	Not Reported
Total stack air emissions:	293
Stack air emissions - basis of estimate:	Mass Balance Calculations
Total air emissions:	294
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not Reported
Discharges to stream a - % from stormwater:	Not Reported
Discharges to stream b - stream name:	Not Reported
Total discharges to stream b:	Not Reported
Discharges to stream b - basis of estimate:	Not Reported
Discharges to stream b - % from stormwater:	Not Reported
Discharges to stream c - stream name:	Not Reported
Total discharges to stream c:	Not Reported
Discharges to stream c - basis of estimate:	Not Reported
Discharges to stream c - % from stormwater:	Not Reported
Discharges to stream d - stream name:	Not Reported
Total discharges to stream d:	Not Reported
Discharges to stream d - basis of estimate:	Not Reported
Discharges to stream d - % from stormwater:	Not Reported
Discharges to stream e - stream name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Total discharges to stream e:	Not Reported
Discharges to stream e - basis of estimate:	Not Reported
Discharges to stream e - % from stormwater:	Not Reported
Discharges to stream f - stream name:	Not Reported
Total discharges to stream f:	Not Reported
Discharges to stream f - basis of estimate:	Not Reported
Discharges to stream f - % from stormwater:	Not Reported
Discharges to stream g - stream name:	Not Reported
Total discharges to stream g:	Not Reported
Discharges to stream g - basis of estimate:	Not Reported
Discharges to stream g - % from stormwater:	Not Reported
Discharges to stream h - stream name:	Not Reported
Discharges to stream h - release pounds:	Not Reported
Discharges to stream h - release range code:	Not Reported
Total discharges to stream h:	Not Reported
Discharges to stream h - basis for estimate:	Not Reported
Discharges to stream h - % from stormwater:	Not Reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not Reported
On-site underground inj - basis of estimate:	Not Reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not Reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not Reported
Total on-site underground injection:	0
Total on-site landfills:	Not Reported
On-site landfills - basis of estimate:	Not Reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not Reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not Reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not Reported
Total surface impoundments:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Surface impoundment - basis of estimate:	Not Reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not Reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not Reported
Total other disposal:	0
Other disposal - basis of estimate:	Not Reported
Total on-site land releases:	0
Total on-site releases:	294
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	12515
Total on-site waste management:	12515
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not Reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not Reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not Reported
On-site recycling processes method 3:	Not Reported
On-site recycling processes method 4:	Not Reported
On-site recycling processes method 5:	Not Reported
On-site recycling processes method 6:	Not Reported
On-site recycling processes method 7:	Not Reported
FRS Facility ID:	110000479107
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not Reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	100-41-4
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO
Submitted Facility Name:	ARMTEC DEFENSE TECHNOLOGIES
Submitted Street:	85-901 AVE 53

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Submitted City:	COACHELLA
Submitted County:	RIVERSIDE
Submitted State:	CA
Submitted Zip Code:	92236
Submitted BIA Code:	Not Reported
Submitted Tribe Name:	Not Reported
Submitted Parent Company Name:	TRANSDIGM INC
Submitted Parent Company DB Number:	808784326
Submitted Standardized Parent Company Name:	TRANSDIGM INC
Submitted Primary NAICS Code:	332994
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2022
First year the facility reported:	1987
Number of forms submitted:	3
Total number of forms submitted:	99
Assigned Agency:	Not Reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000100414
Document control number:	1322220834283
Chemical name:	Ethylbenzene
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not Reported
Stream 1 - trtmt method - sequence 3:	Not Reported
Stream 1 - trtmt method - sequence 4:	Not Reported
Stream 1 - trtmt method - sequence 5:	Not Reported
Stream 1 - trtmt method - sequence 6:	Not Reported
Stream 1 - trtmt method - sequence 7:	Not Reported
Stream 1 - trtmt method - sequence 8:	Not Reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 2 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 2 - trtmt method - sequence 2:	Not Reported
Stream 2 - trtmt method - sequence 3:	Not Reported
Stream 2 - trtmt method - sequence 4:	Not Reported
Stream 2 - trtmt method - sequence 5:	Not Reported
Stream 2 - trtmt method - sequence 6:	Not Reported
Stream 2 - trtmt method - sequence 7:	Not Reported
Stream 2 - trtmt method - sequence 8:	Not Reported
Stream 2 - based on operating data:	NO
Stream 3 - waste stream code:	Not Reported
Stream 3 - trtmt method - sequence 1:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Stream 3 - trtmt method - sequence 2:	Not Reported
Stream 3 - trtmt method - sequence 3:	Not Reported
Stream 3 - trtmt method - sequence 4:	Not Reported
Stream 3 - trtmt method - sequence 5:	Not Reported
Stream 3 - trtmt method - sequence 6:	Not Reported
Stream 3 - trtmt method - sequence 7:	Not Reported
Stream 3 - trtmt method - sequence 8:	Not Reported
Stream 3 - based on operating data:	Not Reported
Stream 4 - waste stream code:	Not Reported
Stream 4 - trtmt method - sequence 1:	Not Reported
Stream 4 - trtmt method - sequence 2:	Not Reported
Stream 4 - trtmt method - sequence 3:	Not Reported
Stream 4 - trtmt method - sequence 4:	Not Reported
Stream 4 - trtmt method - sequence 5:	Not Reported
Stream 4 - trtmt method - sequence 6:	Not Reported
Stream 4 - trtmt method - sequence 7:	Not Reported
Stream 4 - trtmt method - sequence 8:	Not Reported
Stream 4 - based on operating data:	Not Reported
Stream 5 - waste stream code:	Not Reported
Stream 5 - trtmt method - sequence 1:	Not Reported
Stream 5 - trtmt method - sequence 2:	Not Reported
Stream 5 - trtmt method - sequence 3:	Not Reported
Stream 5 - trtmt method - sequence 4:	Not Reported
Stream 5 - trtmt method - sequence 5:	Not Reported
Stream 5 - trtmt method - sequence 6:	Not Reported
Stream 5 - trtmt method - sequence 7:	Not Reported
Stream 5 - trtmt method - sequence 8:	Not Reported
Stream 5 - based on operating data:	Not Reported

TRI ID:	92236RMTCD85901
Cas number:	0001330207
Chemical name:	Xylene (mixed isomers)
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not Reported
Revision code 2:	Not Reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	5
Fugitive air emissions - total release range code:	Not Reported
Total fugitive air emissions:	5
Fugitive air emissions - basis of estimate:	Mass Balance Calculations
Stack air emissions - release pounds:	1028
Stack air emissions - release range code:	Not Reported
Total stack air emissions:	1028
Stack air emissions - basis of estimate:	Mass Balance Calculations
Total air emissions:	1033

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not Reported
Discharges to stream a - % from stormwater:	Not Reported
Discharges to stream b - stream name:	Not Reported
Total discharges to stream b:	Not Reported
Discharges to stream b - basis of estimate:	Not Reported
Discharges to stream b - % from stormwater:	Not Reported
Discharges to stream c - stream name:	Not Reported
Total discharges to stream c:	Not Reported
Discharges to stream c - basis of estimate:	Not Reported
Discharges to stream c - % from stormwater:	Not Reported
Discharges to stream d - stream name:	Not Reported
Total discharges to stream d:	Not Reported
Discharges to stream d - basis of estimate:	Not Reported
Discharges to stream d - % from stormwater:	Not Reported
Discharges to stream e - stream name:	Not Reported
Total discharges to stream e:	Not Reported
Discharges to stream e - basis of estimate:	Not Reported
Discharges to stream e - % from stormwater:	Not Reported
Discharges to stream f - stream name:	Not Reported
Total discharges to stream f:	Not Reported
Discharges to stream f - basis of estimate:	Not Reported
Discharges to stream f - % from stormwater:	Not Reported
Discharges to stream g - stream name:	Not Reported
Total discharges to stream g:	Not Reported
Discharges to stream g - basis of estimate:	Not Reported
Discharges to stream g - % from stormwater:	Not Reported
Discharges to stream h - stream name:	Not Reported
Discharges to stream h - release pounds:	Not Reported
Discharges to stream h - release range code:	Not Reported
Total discharges to stream h:	Not Reported
Discharges to stream h - basis for estimate:	Not Reported

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Discharges to stream h - % from stormwater:	Not Reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not Reported
On-site underground inj - basis of estimate:	Not Reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not Reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not Reported
Total on-site underground injection:	0
Total on-site landfills:	Not Reported
On-site landfills - basis of estimate:	Not Reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not Reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not Reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not Reported
Total surface impoundments:	Not Reported
Surface impoundment - basis of estimate:	Not Reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not Reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not Reported
Total other disposal:	0
Other disposal - basis of estimate:	Not Reported
Total on-site land releases:	0
Total on-site releases:	1033
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	43450
Total on-site waste management:	43450
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not Reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not Reported
On-site recycling processes method 1:	Not Applicable

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

On-site recycling processes method 2:	Not Reported
On-site recycling processes method 3:	Not Reported
On-site recycling processes method 4:	Not Reported
On-site recycling processes method 5:	Not Reported
On-site recycling processes method 6:	Not Reported
On-site recycling processes method 7:	Not Reported
FRS Facility ID:	110000479107
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not Reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	1330-20-7
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO
Submitted Facility Name:	ARMTEC DEFENSE TECHNOLOGIES
Submitted Street:	85-901 AVE 53
Submitted City:	COACHELLA
Submitted County:	RIVERSIDE
Submitted State:	CA
Submitted Zip Code:	92236
Submitted BIA Code:	Not Reported
Submitted Tribe Name:	Not Reported
Submitted Parent Company Name:	TRANSDIGM INC
Submitted Parent Company DB Number:	808784326
Submitted Standardized Parent Company Name:	TRANSDIGM INC
Submitted Primary NAICS Code:	332994
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2022
First year the facility reported:	1987
Number of forms submitted:	3
Total number of forms submitted:	99
Assigned Agency:	Not Reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0001330207
Document control number:	1322220834307
Chemical name:	Xylene (mixed isomers)

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not Reported
Stream 1 - trtmt method - sequence 3:	Not Reported
Stream 1 - trtmt method - sequence 4:	Not Reported
Stream 1 - trtmt method - sequence 5:	Not Reported
Stream 1 - trtmt method - sequence 6:	Not Reported
Stream 1 - trtmt method - sequence 7:	Not Reported
Stream 1 - trtmt method - sequence 8:	Not Reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not Reported
Stream 2 - trtmt method - sequence 1:	Not Reported
Stream 2 - trtmt method - sequence 2:	Not Reported
Stream 2 - trtmt method - sequence 3:	Not Reported
Stream 2 - trtmt method - sequence 4:	Not Reported
Stream 2 - trtmt method - sequence 5:	Not Reported
Stream 2 - trtmt method - sequence 6:	Not Reported
Stream 2 - trtmt method - sequence 7:	Not Reported
Stream 2 - trtmt method - sequence 8:	Not Reported
Stream 2 - based on operating data:	Not Reported
Stream 3 - waste stream code:	Not Reported
Stream 3 - trtmt method - sequence 1:	Not Reported
Stream 3 - trtmt method - sequence 2:	Not Reported
Stream 3 - trtmt method - sequence 3:	Not Reported
Stream 3 - trtmt method - sequence 4:	Not Reported
Stream 3 - trtmt method - sequence 5:	Not Reported
Stream 3 - trtmt method - sequence 6:	Not Reported
Stream 3 - trtmt method - sequence 7:	Not Reported
Stream 3 - trtmt method - sequence 8:	Not Reported
Stream 3 - based on operating data:	Not Reported
Stream 4 - waste stream code:	Not Reported
Stream 4 - trtmt method - sequence 1:	Not Reported
Stream 4 - trtmt method - sequence 2:	Not Reported
Stream 4 - trtmt method - sequence 3:	Not Reported
Stream 4 - trtmt method - sequence 4:	Not Reported
Stream 4 - trtmt method - sequence 5:	Not Reported
Stream 4 - trtmt method - sequence 6:	Not Reported
Stream 4 - trtmt method - sequence 7:	Not Reported
Stream 4 - trtmt method - sequence 8:	Not Reported
Stream 4 - based on operating data:	Not Reported
Stream 5 - waste stream code:	Not Reported
Stream 5 - trtmt method - sequence 1:	Not Reported
Stream 5 - trtmt method - sequence 2:	Not Reported
Stream 5 - trtmt method - sequence 3:	Not Reported
Stream 5 - trtmt method - sequence 4:	Not Reported
Stream 5 - trtmt method - sequence 5:	Not Reported
Stream 5 - trtmt method - sequence 6:	Not Reported
Stream 5 - trtmt method - sequence 7:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Stream 5 - trtmt method - sequence 8:	Not Reported
Stream 5 - based on operating data:	Not Reported
TRI ID:	92236RMTCD85901
Cas number:	0000110543
Chemical name:	n-Hexane
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not Reported
Revision code 2:	Not Reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	5
Fugitive air emissions - total release range code:	Not Reported
Total fugitive air emissions:	5
Fugitive air emissions - basis of estimate:	Mass Balance Calculations
Stack air emissions - release pounds:	80
Stack air emissions - release range code:	Not Reported
Total stack air emissions:	80
Stack air emissions - basis of estimate:	Mass Balance Calculations
Total air emissions:	85
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not Reported
Discharges to stream a - % from stormwater:	Not Reported
Discharges to stream b - stream name:	Not Reported
Total discharges to stream b:	Not Reported
Discharges to stream b - basis of estimate:	Not Reported
Discharges to stream b - % from stormwater:	Not Reported
Discharges to stream c - stream name:	Not Reported
Total discharges to stream c:	Not Reported
Discharges to stream c - basis of estimate:	Not Reported
Discharges to stream c - % from stormwater:	Not Reported
Discharges to stream d - stream name:	Not Reported
Total discharges to stream d:	Not Reported
Discharges to stream d - basis of estimate:	Not Reported
Discharges to stream d - % from stormwater:	Not Reported
Discharges to stream e - stream name:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Total discharges to stream e:	Not Reported
Discharges to stream e - basis of estimate:	Not Reported
Discharges to stream e - % from stormwater:	Not Reported
Discharges to stream f - stream name:	Not Reported
Total discharges to stream f:	Not Reported
Discharges to stream f - basis of estimate:	Not Reported
Discharges to stream f - % from stormwater:	Not Reported
Discharges to stream g - stream name:	Not Reported
Total discharges to stream g:	Not Reported
Discharges to stream g - basis of estimate:	Not Reported
Discharges to stream g - % from stormwater:	Not Reported
Discharges to stream h - stream name:	Not Reported
Discharges to stream h - release pounds:	Not Reported
Discharges to stream h - release range code:	Not Reported
Total discharges to stream h:	Not Reported
Discharges to stream h - basis for estimate:	Not Reported
Discharges to stream h - % from stormwater:	Not Reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not Reported
On-site underground inj - basis of estimate:	Not Reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not Reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not Reported
Total on-site underground injection:	0
Total on-site landfills:	Not Reported
On-site landfills - basis of estimate:	Not Reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not Reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not Reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not Reported
Total surface impoundments:	Not Reported

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Surface impoundment - basis of estimate:	Not Reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not Reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not Reported
Total other disposal:	0
Other disposal - basis of estimate:	Not Reported
Total on-site land releases:	0
Total on-site releases:	85
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	17824
Total on-site waste management:	17824
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not Reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not Reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not Reported
On-site recycling processes method 3:	Not Reported
On-site recycling processes method 4:	Not Reported
On-site recycling processes method 5:	Not Reported
On-site recycling processes method 6:	Not Reported
On-site recycling processes method 7:	Not Reported
FRS Facility ID:	110000479107
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not Reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	110-54-3
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO
Submitted Facility Name:	ARMTEC DEFENSE TECHNOLOGIES
Submitted Street:	85-901 AVE 53

MAP FINDINGS

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Submitted City:	COACHELLA
Submitted County:	RIVERSIDE
Submitted State:	CA
Submitted Zip Code:	92236
Submitted BIA Code:	Not Reported
Submitted Tribe Name:	Not Reported
Submitted Parent Company Name:	TRANSDIGM INC
Submitted Parent Company DB Number:	808784326
Submitted Standardized Parent Company Name:	TRANSDIGM INC
Submitted Primary NAICS Code:	332994
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2022
First year the facility reported:	1987
Number of forms submitted:	3
Total number of forms submitted:	99
Assigned Agency:	Not Reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000110543
Document control number:	1322220834295
Chemical name:	n-Hexane
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not Reported
Stream 1 - trtmt method - sequence 3:	Not Reported
Stream 1 - trtmt method - sequence 4:	Not Reported
Stream 1 - trtmt method - sequence 5:	Not Reported
Stream 1 - trtmt method - sequence 6:	Not Reported
Stream 1 - trtmt method - sequence 7:	Not Reported
Stream 1 - trtmt method - sequence 8:	Not Reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not Reported
Stream 2 - trtmt method - sequence 1:	Not Reported
Stream 2 - trtmt method - sequence 2:	Not Reported
Stream 2 - trtmt method - sequence 3:	Not Reported
Stream 2 - trtmt method - sequence 4:	Not Reported
Stream 2 - trtmt method - sequence 5:	Not Reported
Stream 2 - trtmt method - sequence 6:	Not Reported
Stream 2 - trtmt method - sequence 7:	Not Reported
Stream 2 - trtmt method - sequence 8:	Not Reported
Stream 2 - based on operating data:	Not Reported
Stream 3 - waste stream code:	Not Reported
Stream 3 - trtmt method - sequence 1:	Not Reported

ARMTEC DEFENSE TECHNOLOGIES, 85-901 AVE 53, COACHELLA, CA 92236 (Continued)

Stream 3 - trtmt method - sequence 2: Not Reported
Stream 3 - trtmt method - sequence 3: Not Reported
Stream 3 - trtmt method - sequence 4: Not Reported
Stream 3 - trtmt method - sequence 5: Not Reported
Stream 3 - trtmt method - sequence 6: Not Reported
Stream 3 - trtmt method - sequence 7: Not Reported
Stream 3 - trtmt method - sequence 8: Not Reported
Stream 3 - based on operating data: Not Reported
Stream 4 - waste stream code: Not Reported
Stream 4 - trtmt method - sequence 1: Not Reported
Stream 4 - trtmt method - sequence 2: Not Reported
Stream 4 - trtmt method - sequence 3: Not Reported
Stream 4 - trtmt method - sequence 4: Not Reported
Stream 4 - trtmt method - sequence 5: Not Reported
Stream 4 - trtmt method - sequence 6: Not Reported
Stream 4 - trtmt method - sequence 7: Not Reported
Stream 4 - trtmt method - sequence 8: Not Reported
Stream 4 - based on operating data: Not Reported
Stream 5 - waste stream code: Not Reported
Stream 5 - trtmt method - sequence 1: Not Reported
Stream 5 - trtmt method - sequence 2: Not Reported
Stream 5 - trtmt method - sequence 3: Not Reported
Stream 5 - trtmt method - sequence 4: Not Reported
Stream 5 - trtmt method - sequence 5: Not Reported
Stream 5 - trtmt method - sequence 6: Not Reported
Stream 5 - trtmt method - sequence 7: Not Reported
Stream 5 - trtmt method - sequence 8: Not Reported
Stream 5 - based on operating data: Not Reported

ARMTEC DEFENSE PRODUCTS COMPANY Not Reported, COACHELLA, CA,			1027326988
▲ B11	NNE <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	1 ft. Higher Elevation	88 ft. Below Sea Level	

Worksheet:

PFAS ECHO: Other Ascertainable Records

Name: ARMTEC DEFENSE PRODUCTS COMPANY
Address: Not Reported
City,State,Zip: COACHELLA, CA
Latitude: 33.663931
Longitude: -116.16593
Count: 1
County: RIVERSIDE
Status: Active
Region: 09
Industry: Plastics and Resins

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS COMPANY, Not Reported, COACHELLA, CA (Continued)

ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000479107
Facility Percent Minority:	97.931
Facility Derived Tribes:	Augustine Band of Cahuilla Indians, California - 1 mile(s), Cabazon Band of Cahuilla Indians - 1.5 mile(s), Twenty-Nine Palms Band of Mission Indians of California - 2.9 mile(s), Torres Martinez Desert Cahuilla Indians, California - 5.4 mile(s), Agua Cali
Facility Population:	1410.29
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	06065
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18100200
Facility Derived WBD:	181002010802
Facility Derived CD113:	36
Facility Derived CB2010:	060650457032001
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	1
Facility Date Last Inspection:	1/22/2020
Facility Days Last Inspection:	1,424
Facility Informal Count:	0
Facility Date Last Informal Action:	3/11/2009
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	Y
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	CAD008252157
RCRA Permit Types:	LQG
RCRA NAICS:	332994
SDWA IDS:	-

MAP FINDINGS

ARMTEC DEFENSE PRODUCTS COMPANY, Not Reported, COACHELLA, CA (Continued)

SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	92236RMTCD85901
TRI Releases Transfers:	1412
TRI On Site Releases:	1,412
TRI Off Site Transfers:	0
TRI Reporter:	Y
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-116.16593,%22y%22:33.663931,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

EL SUPER TORO LOCO #3
52051 GRAPEFRUIT AVENUE, COACHELLA, CA, 92236 S106448060

▲ C12	N 1/10 - 1/3	(1667 ft. / 0.316 mi.)	Lists of state and tribal leaking storage tanks Other Ascertainable Records
	7 ft. Higher Elevation	82 ft. Below Sea Level	

Worksheet:

LUST: Lists of state and tribal leaking storage tanks

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606555198
Global Id:	T0606555198
Latitude:	33.6708129553673
Longitude:	-116.166543513536
Status:	Completed - Case Closed
Status Date:	07/07/2006
Case Worker:	Not Reported
RB Case Number:	7t2236034
Local Agency:	Not Reported
File Location:	Local Agency
Local Case Number:	200420349
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	Not Reported
Begin Date:	02/25/2004
Leak Reported Date:	02/25/2004
How Discovered:	Other Means
How Discovered Description:	PIPING AND DISPENSER UPGRADE
Discharge Source:	Other

MAP FINDINGS

EL SUPER TORO LOCO #3, 52051 GRAPEFRUIT AVENUE, COACHELLA, CA 92236 (Continued)

Discharge Cause:	Unknown
Stop Method:	Other Means
Stop Description:	REPLACE PIPING **NO DATE PROVIDED FOR THE DATE DISCHARGE WAS STOPPED.
No Further Action Date:	07/07/2006
CA Water Watershed Name:	Whitewater - Coachella - Indio (719.47)
Dwr Groundwater Subbasin Name:	Coachella Valley - Indio (7-021.01)
Disadvantaged Community:	Not Reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Not Reported
RWQCB Region:	COLORADO RIVER BASIN RWQCB (REGION 7)
Site History:	Not Reported

LUST:

Global Id:	T0606555198
Contact Type:	Regional Board Caseworker
Contact Name:	Phan Le
Organization Name:	COLORADO RIVER BASIN RWQCB (REGION 7)
Address:	73720 FRED WARING DRIVE SUITE #100
City:	PALM DESERT
Email:	phan.le@waterboards.ca.gov
Phone Number:	7607768974

LUST:

Global Id:	T0606555198
Action Type:	Other
Date:	02/25/2004
Action:	Leak Reported
Global Id:	T0606555198
Action Type:	ENFORCEMENT
Date:	02/08/2006
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0606555198
Action Type:	ENFORCEMENT
Date:	04/27/2006
Action:	File review
Global Id:	T0606555198
Action Type:	ENFORCEMENT
Date:	07/07/2006
Action:	Closure/No Further Action Letter
Global Id:	T0606555198
Action Type:	Other
Date:	02/25/2004
Action:	Leak Stopped
Global Id:	T0606555198
Action Type:	ENFORCEMENT

MAP FINDINGS

EL SUPER TORO LOCO #3, 52051 GRAPEFRUIT AVENUE, COACHELLA, CA 92236 (Continued)

Date:	07/06/2006
Action:	File review - #RCDEH Upload Site File 10/15/2014
Global Id:	T0606555198
Action Type:	Other
Date:	02/25/2004
Action:	Leak Discovery
Global Id:	T0606555198
Action Type:	REMEDIATION
Date:	02/25/2004
Action:	Other (Use Description Field)

LUST:

Global Id:	T0606555198
Status:	Open - Case Begin Date
Status Date:	02/25/2004
Global Id:	T0606555198
Status:	Open - Site Assessment
Status Date:	02/25/2004
Global Id:	T0606555198
Status:	Completed - Case Closed
Status Date:	07/07/2006

RIVERSIDE CO. LUST:

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT BLVD
City,State,Zip:	COACHELLA, CA
Region:	RIVERSIDE
Facility ID:	200420349
Employee:	Shurlow-LOP
Site Closed:	Yes
Case Type:	Other ground water affected
Facility Status:	closed/action completed
Casetype Decode:	Other Ground Water. Any other actual or potential use other than Drinking water or not beneficial use.
Fstatus Decode:	Closed/Action completed

CORTESE: Other Ascertainable Records

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T0606555198
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported

MAP FINDINGS

EL SUPER TORO LOCO #3, 52051 GRAPEFRUIT AVENUE, COACHELLA, CA 92236 (Continued)

Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported
Solid Waste Id No:	Not Reported
Waste Management Uit Name:	Not Reported
File Name:	Active Open

CERS: Other Ascertainable Records

Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE
City,State,Zip:	COACHELLA, CA 92236
Site ID:	728205
CERS ID:	T0606555198
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Phan Le - COLORADO RIVER BASIN RWQCB (REGION 7)
Entity Title:	Not Reported
Affiliation Address:	73720 FRED WARING DRIVE SUITE #100
Affiliation City:	PALM DESERT
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	7607768974,

EL SUPER TORO LOCO #3 52051 GRAPEFRUIT AVENUE, COACHELLA, CA, 92236			1028952357
▲ C13	N 1/10 - 1/3	(1667 ft. / 0.316 mi.)	Other Ascertainable Records
	7 ft. Higher Elevation	82 ft. Below Sea Level	

Worksheet:

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	74686
Facility ID:	Not Reported
Lust ID:	CAT0606555198
Name:	EL SUPER TORO LOCO #3
Address:	52051 GRAPEFRUIT AVENUE

MAP FINDINGS

EL SUPER TORO LOCO #3, 52051 GRAPEFRUIT AVENUE, COACHELLA, CA 92236 (Continued)

City,State,Zip:	COACHELLA, CA 92236
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	No Further Action
Substance:	Not Reported
Population within 1500ft:	882
Domestic Wells within 1500ft:	3
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	CA3301373_39302
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	181002010802
Within 100yr Floodplain:	No
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported
Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-116.16605
Y Coord:	33.6708600000001
Latitude:	33.6708599999999
Longitude:	-116.166049999999

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	02/29/2024	03/01/2024	03/27/2024
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/29/2024	03/01/2024	03/27/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/22/2024	05/01/2024	05/24/2024
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	12/04/2023	12/06/2023	12/12/2023
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/14/2024	02/16/2024	04/04/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2023	12/13/2023	02/28/2024
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/05/2024	02/06/2024	04/26/2024
State and tribal leaking storage tank lists						
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	03/04/2024	03/05/2024	05/29/2024
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	02/13/2024	03/05/2024	06/03/2024
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	FEMA UST	Underground Storage Tank Listing	FEMA	11/16/2023	11/16/2023	02/13/2024
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	03/19/2024	03/19/2024	06/10/2024
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2023	01/11/2024	01/16/2024
US	ROD	Records Of Decision	EPA	02/29/2024	03/01/2024	03/27/2024
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/04/2024	03/05/2024	05/28/2024
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	02/01/2024	02/01/2024	04/24/2024
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/11/2023	12/13/2023	02/28/2024
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	Delisted NPL	National Priority List Deletions	EPA	02/29/2024	03/01/2024	03/27/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/22/2024	05/01/2024	05/24/2024
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/12/2023	12/13/2023	02/28/2024
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/11/2024	03/12/2024	05/10/2024
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/30/2024	02/13/2024	04/04/2024
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	01/02/2024	01/03/2024	01/04/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2024	02/21/2024	04/04/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	01/16/2024	01/17/2024	03/27/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/09/2024	02/27/2024	05/24/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	02/01/2024	02/08/2024	04/04/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/18/2024	03/19/2024	06/06/2024
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2022	03/21/2024	06/12/2024
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	12/31/2023	01/23/2024	04/09/2024
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/19/2024	03/19/2024	06/11/2024
CA	CUPA LIV-PLE	CUPA Facility Listing	Livermore-Pleasanton Fire Department	02/14/2024	02/21/2024	05/08/2024
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/26/2024	02/27/2024	05/14/2024
CA	DRYCLEAN VENTURA	Drycleaner Facility Listing	Ventura County Air Pollution Control District	01/04/2024	01/16/2024	02/08/2024
CA	DRYCLEAN AMADOR	Amador Air District Drycleaner Facility Listing	Amador Air Quality Management District	04/26/2023	04/27/2023	07/13/2023
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	02/20/2024	02/22/2024	05/08/2024
CA	DRYCLEAN MOJAVE	Mojave Desert Air Quality Management District Drycleaner Fac	Mojave Desert Air Quality Management District	04/15/2024	04/17/2024	04/24/2024
CA	DRYCLEAN BUTTE	Butte County Air Quality Management DistrictDrycleaner Facil	Butte County Air Quality Management District	04/25/2023	10/18/2023	01/16/2024
CA	DRYCLEAN FEATHER RVR	Feather River Air Quality Management District Drycleaner Fac	Feather River Air Quality Management District	03/08/2023	03/09/2023	06/05/2023
CA	DRYCLEAN SAN DIEGO	San Diego County Air Pollution Control District Drycleaner F	San Diego County Air Pollution Control Distri	03/19/2024	03/21/2024	04/12/2024
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	04/02/2024	04/05/2024	04/15/2024
CA	DRYCLEAN GRANT	Grant Recipients List	California Air Resources Board	12/31/2021	01/26/2024	04/16/2024
CA	DRYCLEAN LAKE	Lake County Air Quality Management District Drycleaner Facil	Lake County Air Quality Management District	02/15/2024	02/16/2024	05/02/2024
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/26/2024	02/27/2024	05/15/2024
CA	DRYCLEAN MENDOCINO	Mendocino County Air Quality Management District Drycleaner	Mendocino County Air Quality Management Distr	02/26/2024	02/28/2024	05/15/2024
CA	DRYCLEAN EAST KERN	Eastern Kern Air Pollution Control District District Dryclea	Eastern Kern Air Pollution Control District	01/12/2023	04/26/2023	07/14/2023
CA	DRYCLEAN IMPERIAL	Imperial County Air Pollution Control District Drycleaner Fa	Imperial County Air Pollution Control Distric	04/25/2023	04/26/2023	07/14/2023
CA	DRYCLEAN YOLO-SOLANO	Yolo-Solano Air Quality Management District Drycleaner Facil	Yolo-Solano Air Quality Management District	01/04/2024	01/05/2024	03/20/2024
CA	DRYCLEAN SHASTA	Shasta County Air Quality Management District District Drycl	Shasta County Air Quality Management District	04/26/2023	04/27/2023	07/14/2023
CA	DRYCLEAN MONTERY BAY	Monterey Bay Air Quality Management District Drycleaner Faci	Monterey Bay Air Quality Management District	01/03/2024	01/05/2024	03/20/2024
CA	DRYCLEAN SAN LUIS OB	San Luis Obispo County Air Pollution Control District Drycle	San Luis Obispo County Air Pollution Control	01/03/2024	01/04/2024	03/20/2024
CA	DRYCLEAN PLACER	Placer County Air Quality Management District Drycleaner Fac	Placer County Air Quality Management District	05/15/2023	05/17/2023	08/14/2023
CA	DRYCLEAN SAN JOAQUIN	San Joaquin Valley Air Pollution Control District District D	San Joaquin Valley Air Pollution Control Dist	01/04/2024	01/04/2024	03/21/2024
CA	DRYCLEAN BAY AREA	Bay Area Air Quality Management District Drycleaner Facility	Bay Area Air Quality Management District	02/20/2019	05/30/2019	05/01/2023
CA	DRYCLEAN CALAVERAS	Calaveras County Environmental Management Agency Drycleaner	Calaveras County Environmental Management Age	06/17/2019	06/19/2019	05/01/2023
CA	DRYCLEAN N COAST	North Coast Unified Air Quality Management District Dryclean	North Coast Unified Air Quality Management Di	11/30/2016	04/19/2019	05/01/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	DRYCLEAN N SIERRA	Northern Sierra Air Quality Management District Drycleaner F	Northern Sierra Air Quality Management Distri	05/07/2019	05/07/2019	05/01/2023
CA	DRYCLEAN SANTA BARB	Santa Barbara County Air Pollution Control District Dryclean	Santa Barbara County Air Pollution Control Di	02/19/2019	04/17/2019	05/01/2023
CA	DRYCLEAN TEHAMA	Tehama County Air Pollution Control District Drycleaner Faci	Tehama County Air Pollution Control District	04/24/2019	04/24/2019	05/01/2023
CA	DRYCLEAN GLENN	Glenn County Air Pollution Control District Drycleaner Facil	Glenn County Air Pollution Control District	01/08/2024	01/10/2024	03/27/2024
CA	DRYCLEAN N SONOMA	Norther Sonoma County County Air Pollution Control District	Santa Barbara County Air Pollution Control Di	01/05/2024	01/10/2024	03/27/2024
CA	DRYCLEAN SACRAMENTO	Sacramento Metropolitan Air Quality Management DistrictDrycl	Sacramento Metropolitan Air Quality Managemen	01/03/2024	01/10/2024	03/27/2024
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2021	06/09/2023	08/30/2023
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	01/16/2024	01/16/2024	04/03/2024
CA	FIN ASSURANCE 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/11/2024	01/16/2024	04/03/2024
CA	FIN ASSURANCE 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/07/2024	02/28/2024	05/15/2024
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	04/04/2024	04/05/2024	04/15/2024
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2023	01/03/2024	03/21/2024
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/07/2024	02/07/2024	02/07/2024
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/02/2024	01/03/2024	03/21/2024
CA	ICE	Inspection, Compliance and Enforcement	Department of Toxic Subsances Control	02/07/2024	02/07/2024	02/07/2024
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	03/04/2024	03/05/2024	05/24/2024
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	02/26/2024	02/27/2024	05/15/2024
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	MINES	Mines Site Location Listing	Department of Conservation	03/04/2024	03/05/2024	05/28/2024
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	01/23/2024	02/27/2024	05/16/2024
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/05/2024	02/06/2024	04/25/2024
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	02/26/2024	02/27/2024	05/17/2024
CA	PROC	Certified Processors Database	Department of Conservation	03/04/2024	03/05/2024	05/28/2024
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/08/2024	03/08/2024	05/29/2024
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	03/04/2024	03/05/2024	05/28/2024
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
CA	CERS HAZ WASTE	California Environmental Reporting System Hazardous Waste	CalEPA	01/16/2024	01/16/2024	04/03/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	03/04/2024	03/05/2024	05/24/2024
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	03/04/2024	03/05/2024	05/24/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/17/2023	12/28/2023	03/04/2024
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/04/2024	03/05/2024	05/28/2024
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	03/04/2024	03/05/2024	05/28/2024
CA	CHROME PLATING	Chrome Plating Facilities Listing	State Water Resources Control Board	03/04/2024	03/05/2024	05/28/2024
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/16/2024	01/16/2024	04/03/2024
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	01/16/2024	01/16/2024	04/03/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	12/31/2023	01/03/2024	01/16/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	07/24/2023	04/18/2024	06/06/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/12/2024	02/13/2024	04/04/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2023	12/20/2023	01/24/2024
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	01/26/2024	01/30/2024	04/17/2024
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	02/26/2024	02/27/2024	05/14/2024
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/19/2023	04/05/2024	06/06/2024
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/04/2024	03/06/2024	05/29/2024

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	12/26/2023	12/26/2023	03/19/2024
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	04/27/2023	04/27/2023	07/13/2023
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	03/01/2024	03/19/2024	06/11/2024
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	01/19/2024	01/24/2024	04/09/2024
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	02/05/2024	02/08/2024	04/26/2024
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	08/08/2022	08/09/2022	09/01/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/17/2024	01/18/2024	04/03/2024
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	10/30/2023	11/01/2023	01/23/2024
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	04/25/2024	05/01/2024	05/08/2024
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	02/05/2024	02/08/2024	04/26/2024
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	01/16/2024	01/18/2024	03/26/2024
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/09/2024	01/10/2024	03/27/2024
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	12/31/2022	01/12/2023	03/29/2023
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	04/13/2023	07/13/2023	09/27/2023
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	02/09/2024	03/19/2024	06/11/2024
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	02/09/2024	03/19/2024	06/11/2024
CA	SITE MIT LOS ANGELES	Site Mitigation LA County List	Community Health Services	07/11/2023	10/17/2023	01/09/2024
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	04/12/2023	05/02/2023	06/13/2023
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	11/15/2023	11/20/2023	02/15/2024
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/04/2021	10/06/2021	12/29/2021
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	10/31/2023	11/03/2023	01/23/2024
CA	IND_SITE ORANGE	List of Industrial Site Cleanups Orange County	Health Care Agency	02/02/2024	03/13/2024	06/04/2024
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	02/22/2024	03/13/2024	06/04/2024
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	02/22/2024	03/13/2024	06/04/2024
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	02/28/2024	02/28/2024	05/16/2024
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	01/04/2024	01/04/2024	03/29/2024
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	01/04/2024	01/04/2024	03/21/2024
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	11/07/2022	12/21/2022	03/16/2023
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	11/07/2022	12/09/2022	03/01/2023
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	01/17/2024	01/18/2024	01/26/2024
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	02/13/2024	02/14/2024	05/02/2024
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	05/16/2024	05/22/2024	05/24/2024
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/01/2023	01/31/2024	04/17/2024
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	02/01/2024	02/01/2024	04/24/2024
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	02/01/2024	02/01/2024	04/24/2024
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	01/15/2024	01/18/2024	04/05/2024
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	02/14/2024	02/14/2024	05/02/2024
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	02/21/2024	02/22/2024	05/08/2024
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	SITE MIT SANTA CRUZ	Site Mitigation Santa Cruz County List	Santa Cruz Environmental Health Services	12/03/2018	06/23/2023	07/13/2023
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	08/03/2023	08/24/2023	09/12/2023
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	12/05/2023	02/01/2024	02/28/2024
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/17/2024	01/18/2024	04/03/2024
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	10/07/2022	10/07/2022	12/21/2022
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/26/2023	01/24/2024	04/08/2024
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	12/26/2023	01/23/2024	04/09/2024
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	02/27/2024	03/05/2024	05/29/2024
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	12/18/2023	12/26/2023	03/19/2024
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/22/2024	01/23/2024	04/08/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

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APPENDIX D

RELEVANT SUBJECT PROPERTY DOCUMENTS

URS

July 12, 2001

Mr. James Palmer
Armtec Defense Products, Inc.
85-901 Avenue 53
Coachella, CA 92236

Subject: Proposed Final Pond Closure Plan
Armtec Facility
Coachella, California
RWQCB CAO No. 00-135
URS Project No. 58-00170034.01-20000

Dear Mr. Palmer:

URS Corporation (URS) is pleased to provide Armtec Defense Products, Inc. (Armtec) this proposed pond closure plan addressing nitrocellulose in soil at the Armtec facility located at 85-901 Avenue 53 in Coachella, California. This plan has been prepared as requested by the California Region Water Quality Control Board, Colorado River Region (RWQCB) to address concerns regarding nitrocellulose in pond-bottom soil at the site. If you have any questions regarding this proposed remedial action plan, please give us a call.

Sincerely,

URS CORPORATION

Norbert Schulz
Site Assessment and Remediation
Division Manager

REGISTERED GEOLOGIST
VERYL L. WITTIG
No. 7115
STATE OF CALIFORNIA

Veryl L. Wittig, R.G. No. 7115
Project Manager

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URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108
Tel: 619.294.9400
Fax: 619.293.7920

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WORK PLAN

PROPOSED FINAL POND CLOSURE PLAN ARMTEC FACILITY 85-901 AVENUE 53 COACHELLA, CALIFORNIA

Prepared for

Armtec Defense Products, Inc.
85-901 Avenue 53
Coachella, CA 92236

URS Project No. 58-00170034.01-20000

Prepared by:



Veryl Wittig, R.G., No. 7115, Project Manager

Norbert J. Schulz, Site Assessment and Remediation, Division Manager

July 12, 2001

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SECTION ONE

Introduction

Armtec was required to perform a groundwater evaluation at the Armtec Defense Products Company (Armtec) facility located at 85-901 Avenue 53 in Coachella, California (the site, Figure 1) in response to Cleanup and Abatement Order (CAO) No. 00-135, issued by the California Regional Water Quality Control Board (RWQCB), Colorado River Region on September 28, 2000. CAO No. 00-135 requires Armtec to evaluate groundwater beneath the site for the presence of acetone, ethylbenzene, xylenes, 4-methyl 2-pentanone, and diphenylamine (DPA), collectively, the constituents of concern (COCs). During the soil and groundwater evaluation conducted by URS Corporation (URS) at the site in February and March 2001, nitrocellulose fines were identified in soil in the floors of the evaporation/percolation ponds at the facility. The results of the groundwater evaluation are summarized in a report titled "Groundwater Evaluation, Armtec Facility, 85-901 Avenue 53, Coachella, California," dated April 24, 2001.

Armtec is in the process of implementing a redesigned manufacturing process which involves capturing or treating 100% of wash-down water, and recycling 100% of process water. The redesigned system is scheduled to be operational by October 2001, and Armtec intends to cease discharging to five of the seven ponds by July 31, 2001 and discontinue wastewater discharges to the final two ponds prior to December 31, 2001. The seven existing unlined ponds will be closed and replaced with two lined ponds which will be used for emergency storage. This proposed final closure plan was prepared on behalf of Armtec to describe the final closure of the seven onsite ponds and address the concerns of the RWQCB with respect to residual concentrations of nitrocellulose in soil at the site.

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2.1 FACILITY DESCRIPTION

The Armtec facility consists of approximately 40 acres bounded by Avenue 53 on the north, Tyler Street on the east, and agricultural land on the south and west in Coachella, California (Figure 1). There is vacant property across Avenue 53 to the north, and a trailer park across Tyler Street to the east. According to the U.S. Geological Survey, the property lies at an elevation ranging from approximately 90 feet below mean sea level (MSL) in the northwest corner of the property to 95 feet below mean sea level (MSL) in the southeast corner of the property. Areas around the buildings and parking areas at the site are paved with asphaltic concrete, and the remainder of the site is unpaved. The property is enclosed with chain-link fencing and access to the site is controlled through a guard shack on the north side of the site. The property is supplied with municipal water, sewer, and natural gas services.

2.2 DESCRIPTION OF MANUFACTURING PROCESS

Armtec is a government defense contractor that manufactures fiber-based ammunition components known as combustible cartridge cases or containers (CCCs). The facility has been producing components for combustible ordinance for the U.S. government since 1968. The containers manufactured at the facility are designed to hold propellants and projectiles for military weapons systems such as mortars, artillery charges and tank ammunition. Subsequent processing, filling and final assembly of the CCCs manufactured at the site is conducted offsite by other government contractors.

Two manufacturing processes (post-impregnation process and the beater additive process) are employed at the facility. The post-impregnation process produces CCCs for 120 mm tank ammunition. The post-impregnation process utilizes a slurry consisting of less than 0.5% solids (fibrous nitrocellulose, Kraft process wood pulp and supporting chemicals) in potable city water. The CCCs are formed by lowering a felting tool composed of fine metal screen into the slurry and applying a vacuum. The vacuum draws water through the screen and retains the fibrous material on the outer surface of the screen. The CCCs are then molded into final form, immersed in resin to provide structural strength, and cured in an oven prior to final trimming and inspection. Wastewater generated during the manufacturing process is passed through a roto-shear or hydroscreen to remove residual solids from the water. The wastewater is then recycled or sent to the onsite evaporation ponds for additional settling. The beater additive process produces CCCs for mortars and artillery charges. The beater additive process involves the same slurry process as the post-impregnation process, but the resin is added to the slurry prior to performing the felting process. Once the CCCs are removed from the mold, they can go directly to final trimming and inspection. Process wastewater is handled in the same method as previously described for the post-impregnation process.

Production is conducted within three buildings at the facility known as Buildings 3, 6 and 9. Approximately 90% of the process wastewater generated in Buildings 6 and 9 is currently recycled, with the balance of the wastewater discharged to the settling ponds (see Figure 1) along with the process water discharged from Building 3 and the wash-down water from all buildings at the facility. Currently, 40,000 to 130,000 gallons of process wastewater per day are discharged

to the onsite settling ponds. After the water evaporates, settled solid material is removed from the ponds and incinerated under permit onsite.

Armtec is currently redesigning its manufacturing processes, and evaluating options which include capturing or treating 100% of wash-down water, and recycling 100% of all process water. In addition, Armtec intends to abandon the use of the seven unlined settling/evaporation ponds at the facility, and intends to replace the unlined ponds with fewer double-lined settling/evaporation ponds to be used for emergency storage. After implementation of the redesigned system, Armtec anticipates that the only discharges to the double-lined ponds will be due to unexpected events such as equipment failures or failed slurry batches. Furthermore, the upgraded system may eliminate the need for or require a modification of the present discharge permit.

2.3 REGIONAL GEOLOGY

The site is located north of the Salton Sea and southeast of Indio in the Coachella Valley area of southern California. According to the Geologic Atlas of California, the site is underlain by Quaternary lake deposits of ancient Lake Coahuila generally consisting of interbedded clay, silt, sand and beach gravel. The Coachella Valley and its physiographic equivalents to the south; the Imperial and Mexicali Valleys, make up the Salton Trough, a deep basin that represents the structural extension of the Gulf of California into North America. The topographic high created by the deltaic deposits of the Colorado River prevent the marine inundation of the Imperial and Mexicali valleys which are below sea level. The Salton Trough is bounded by the Western Mojave Desert Province to the north, the Peninsular Range Batholith to the west, the Basin and Range Province to the east, and the Gulf of California to the south beyond the Colorado River delta.

2.4 REGIONAL HYDROGEOLOGY AND HYDROLOGY

According to the "Water Quality Control Plan, Colorado River Basin – Region 7," dated 1994 and prepared by the RWQCB, the site lies within the Coachella Valley Planning Area. Groundwater is stored primarily in unconsolidated Pleistocene sediments, which are thicker than 1,000 feet in the valley. Well yields as high as 4,000 gpm have been reported in the valley. A clay aquitard extends from the Salton Sea north to an area west of Indio and overlies the domestic use aquifers, and underlies lenses of permeable sediments and perched ground waters which are recharged by percolating irrigation water.

The facility lies within the Indio Hydrologic Subarea of the Coachella Hydrologic Area. The groundwater within the Coachella Hydrologic Area (referred to as the Coachella Hydrologic Subunit, Area Code No. 719.40 in the 1994 Basin Plan) has been designated by the RWQCB as having existing beneficial uses for municipal (MUN), industrial (IND) and agricultural (AGR) supplies. As indicated on Table 2-5 of the Basin Plan, the beneficial use designation for municipal supply indicates that at least one of the aquifers within the basin supports a municipal beneficial use, but does not necessarily apply to all groundwater within the basin. A semi-perched unconfined aquifer is present at an approximate depth of 4 to 7 feet below ground

surface (bgs) beneath the site. However, groundwater in the semi-perched unconfined aquifer is considered poor quality due to high total dissolved solids (TDS) concentration of approximately 3,000 mg/l, and is not presently used for municipal or agricultural supply. According to the RWQCB, a deeper confined aquifer is separated from the upper semi-perched confined aquifer by a clay aquitard. The top of the uppermost confined aquifer is located at an approximate depth of 200 feet bgs in the vicinity of the site.

Based on a drillers log (No. 073717, dated November 21, 1980) for a water well installed at the site between October and November 1980, it appears that two distinct confined aquifers underlie the site. An upper confined aquifer is present at an approximate depth of 215 to 305 feet bgs beneath the site, and is separated from a deeper confined aquifer (present at a approximate depth of 485 to 665 feet bgs) by an approximately 180-foot-thick clay layer. This is likely the extensive aquitard referenced in the Basin Plan. Well construction details presented on the log indicate a well was constructed in the borehole with screened sections over the intervals from 500 to 570 feet bgs and 612 to 660 feet bgs. The well was gravel-packed over the interval from 150 to 660 feet bgs, and a sanitary surface seal described as "standard mud slurry" was placed from the ground surface to the top of the gravel pack at a depth of 150 feet bgs. The well drillers report also indicated that a 4-hour pumping test performed on the well suggested a production rate of 250 gallons per minute.

Numerous surface and shallow subsurface drains that transport irrigation drainage and stormwater to the Salton Sea are present throughout the project vicinity. The main purpose of the tile drains which underlie much of the Coachella Valley is to maintain the semi-perched unconfined aquifer at an approximate depth of 5 to 10 feet bgs. According to information obtained from the work plan, the east-west tile drains present under the Armtec facility were initially installed in 1962. Additional lateral piping was installed beneath the Armtec settling ponds to improve drainage beneath the ponds and was connected to the pre-existing east-west tile drain network.

3.1 SUMMARY OF PREVIOUS SOIL AND GROUNDWATER EVALUATION

Armtec was required to perform a groundwater evaluation at the facility in response to Cleanup and Abatement Order (CAO) No. 00-135, dated September 28, 2000. CAO No. 00-135 requires Armtec to evaluate groundwater beneath the site for the presence of acetone, ethylbenzene, xylenes, 4-methyl 2-pentanone, and DPA, collectively, the constituents of concern (COCs). In addition, Armtec conducted an assessment of the presence of nitrocellulose (NC) in soils within the evaporation/percolation ponds.

During February and March 2001, six CPT soundings (CPT-01 through -06), four Hydropunch borings (GW-01 through -04), and 15 shallow soil borings (S-1 through S-15) were advanced at the site. In addition, six monitoring wells (MW-01 through -06) were installed to evaluate groundwater conditions in the shallow unconfined aquifer beneath the site. The approximate locations of soil borings advanced and monitoring wells installed at the site are indicated on Figure 2. The results of the soil and groundwater evaluation are summarized in a report titled "Groundwater Evaluation, Armtec Facility, 85-901 Avenue 53, Coachella, California," dated April 24, 2001 and prepared by URS.

The results of the groundwater evaluation indicated that, with the exception of DPA, none of the COCs were detected in soil or groundwater samples collected during this investigation. DPA concentrations identified in groundwater during our investigation are below the U.S. EPA Reference Dose (calculated as a safe exposure level with respect to non-cancer health effects) and Suggested No-Adverse-Response Level (SNARL), and significantly below the Region 9 PRG for tap water. Although DPA is present at low concentrations in the unconfined perched aquifer beneath the Armtec facility, groundwater from this aquifer is of poor quality and is not currently used for drinking water and will not likely be used for drinking water in the future.

Subsequent to implementation of the redesigned wastewater treatment system and discontinued wastewater discharges to the unlined ponds, residual DPA concentrations in groundwater beneath the site are likely attenuate to non-detectable concentrations within a matter of months.

DPA concentrations identified in soil during the URS investigation were significantly lower than current PRGs and do not appear to pose a threat to human health or the environment at the concentrations observed. NC concentrations observed in soil at the site do not appear to be a threat to human health or the environment. Furthermore, when the existing unlined ponds are taken out of service, discharges of settleable material containing NC fines (and DPA) will cease.

3.2 NITROCELLULOSE IN SOIL

Soil samples selected for analyses from borings S-01, S-05, S-10, S-11 and S-12, did not contain detectable concentrations of NC. Soil samples collected from the remaining ten shallow soil borings were found to contain NC at concentrations ranging from 3.5 to 1,660 mg/kg, primarily in soil samples collected from the upper six inches of soil in each boring. An evaluation of the NC analytical data indicated the mean NC concentration in soil at the surface of the ponds was approximately 400 mg/kg. However, at a depth of two to three feet, NC was typically not detected and the mean NC concentration decreased to less than 5 mg/kg.

Based on their review of the April 2001 Groundwater Evaluation Report, the RWQCB concurred with URS' recommendation of conducting quarterly monitoring for the COCs in the six monitoring wells to further document groundwater conditions beneath the site. Although soil sample analytical results for the URS investigation indicated that NC in soil is primarily limited to the upper 6 inches of soil beneath the evaporation ponds at the facility, the RWQCB requested that Armtec develop a remedial action plan addressing NC in soil at the site.

4.1 ENVIRONMENTAL FATE AND TRANSPORT OF NITROCELLULOSE

When nitrocellulose is released to soil, it undergoes microbial degradation in a manner similar to that seen for naturally occurring, nitrogenated organic compounds. That is, it undergoes microbial degradation with the ultimate release of inorganic ions (carbon and nitrogen) that are subsequently used by plants or naturally-present microorganisms. Nitrate and ammonia are major components of the nitrogen cycle. However, these are not the final product as they is rapidly transformed by denitrification into nitrogen ions or fixated into plant tissue by nitrogen-fixing soil microorganisms (Alexander, 1977). Nitrates and ammonia in soil are rapidly taken up by plant life to satisfy their nutrient demand. Through this cycle plants are able to uptake nitrogen that is an essential nutrient for plants and produce proteins, amino-acids and polypeptides that are essential for animal life.

In most cases, the natural degradation of nitrogen-containing compounds is not an environmental concern as it is essential component of the plant and animal life cycle. The only environmental concern is when the production of nitrates, by the cycle, either exceeds the plant and microbial capacity to uptake the nitrate produced, or nitrates are produced beyond the reach of plant and microbial life. An example of this is where nitrocellulose has been disposed in a landfill (Huibergtse, et al., 1979) and nitrates are produced beyond the reach of plant roots and naturally-present microorganisms and cannot be utilized by plants or microorganisms.

At the Armtec facility, the relatively minor amounts of residual nitrocellulose present in the upper few inches of soil in the bottoms of the evaporation/percolation ponds is likely to be degraded by naturally occurring soil microorganisms. The majority, if not all, of the nitrogen contained in residual nitrocellulose will enter the nitrogen cycle and ultimately be used by the abundant plants and microorganisms as an essential nutrient. The nitrocellulose degradation process will include the temporary, and short-lived, production of nitrates. However, given the low nitrocellulose content of soil and the presence of microorganisms and plants in soil at the site, the nitrates produced during the natural degradation process will rapidly proceed through the cycle to become essential nitrogen ions.

4.2 CHEMICAL AND PHYSICAL PROPERTIES OF NITROCELLULOSE

There are no Maximum Contaminant Levels (MCLs), Preliminary Remediation Goals (PRGs), Permissible Exposure Limits (PELs), Threshold Limit Values (TLVs) or other screening or cleanup criteria for NC in soil. According to the Manufacturers Safety Data Sheet (MSDS) for the NC product utilized at Armtec, the NC product consists of 12.6% nitrocellulose and 87.4% water (by weight), there are no known carcinogenic or teratogenic human effects, and there are no known effects on animals. An MSDS obtained from Nobel Enterprises, a manufacturer of NC in the United Kingdom, indicated that their NC (cellulose nitrate) product consists of approximately 65-75% nitrocellulose and 25-35% ethyl alcohol, isopropyl alcohol or water. Toxicity data obtained from the Nobel MSDS for NC indicated that the oral LD_{50} (lethal dose for 50% of the test organisms) for a rat is greater than 5,000 mg/kg, and that the fish toxicity LC_{50} 96 hour test (lethal concentration for 50% of the test organisms after 96 hours) for fathead minnows

was greater than 10,000 mg/l. The Nobel MSDS also indicated that the nitrocellulose component of the Nobel NC product consists of less than 12.3% nitrogen.

Extensive research conducted by the United States Department of Defense, the United States Army and consulting professionals at weapons manufacturing facilities and military installations suggest NC in soil is not of toxicological significance and will naturally biodegrade to inert substances. Ruminants may digest NC to produce carbohydrates and protein, but NC is not digestible by humans and is excreted unchanged. In soil, NC will degrade to produce many products including carbon dioxide and nitrogen oxides, but little or no nitrate. Composting nitrocellulose-impacted soil accelerates the biodegradation of NC and converts the biodegradable material to harmless, stabilized by-products which can be utilized as soil amendments.

There are no PRGs for nitrate or nitrite in soil. However, the residential PRG for nitric oxide, one of the potential degradation products of NC, is 7,800 mg/kg and the industrial PRG is 100,000 mg/kg. If we assume that a soil sample containing 100 mg/kg NC contains 12.3% nitrogen, then the soil sample would contain up to 12.3 mg/kg nitrogen using the product information obtained from Nobel. If all of the available nitrogen in the soil sample were converted to nitric oxide, the resulting nitric oxide concentration would be 12.3 mg/kg, which is more than 100 times lower than the residential PRG. Therefore, based on the available information, Armtec proposes that a cleanup level of 100 mg/kg nitrocellulose in soil would provide a more than adequate level of protection.

4.3 EVAPORATION POND CLOSURE PROCESS

Each of the evaporation ponds consists of three "cells" which act as wastewater clarifiers. Wastewater is discharged to the first cell where most of the suspended material, including NC fines, settles. The wastewater then flows to the second cell where additional settling takes place, and finally to the third and largest cell where final settling and evaporation occurs.

Armtec began the evaporation pond closure process by taking ponds 3, 4 and 7 out of service in May 2001. Ponds 5 and 6 are intended to be taken out of service in June 2001. Ponds 1 and 2 will remain in use until December 2001, when the redesigned water treatment system is scheduled to be fully operational.

Some ponds at the facility have not been in use for several months, while others have been recently drained or are currently in use. Once the ponds are drained, Armtec personnel will clean the ponds in accordance with the procedures outlined in the Manufacturers Standard Practice Instruction No. 1205, a copy of which is included as Attachment A.

4.4 PROPOSED TREATMENT OF NITROCELLULOSE-CONTAINING SOIL

NC fines are commonly remediated using incineration, natural biodegradation and enhanced bioremediation. Incineration of NC fines is an efficient, cost-effective and industry-accepted method of treatment. NC fines will also naturally biodegrade in soil to inert substances. However, the speed of natural biodegradation is largely dependent upon many factors including the concentration of NC, the presence of microorganisms in the soil, soil temperature, pH, moisture and oxygen content, and the carbon-to-nitrogen ratio. Enhanced bioremediation of NC

in soil typically involved excavation and stockpiling of the NC containing soil. Amendments and bulking agents such as wood chips, animal and vegetable waste may be added to the stockpiles to enhance the biodegradation process. Acidic or alkaline solutions, and specific microorganisms also may be added to further enhance the process.

Nitrocellulose-containing sediment will be generated during the pond cleaning activities described in Section 4.3. Since a permitted incinerator exists at the Armtec facility, Armtec proposes to incinerate the material in the on-site incinerator. Previous analytical testing of the waste residue generated by the incineration process indicated that the material was classified as a non-hazardous waste for disposal purposes. After incineration, the material will consist primarily of residual soil and may be suitable for onsite reuse. However, if offsite disposal is necessary, the incinerated soil will be tested in accordance with the accepting facility's waste discharge requirements prior to offsite transportation and disposal. Pending approval from the disposal facility, the incinerated soil could be transported to a Class III landfill for disposal after incineration.

4.5 CONFIRMATION SOIL SAMPLING

Although no established cleanup level for NC, nitrate or nitrite exists, Armtec proposes a very conservative cleanup level of 100 mg/kg for NC in soil. Based on the available toxicity data for NC and its likely breakdown products, residual concentrations of 100 mg/kg or less after pond cleaning and closure will be protective of human health and the environment. Subsequent to completion of the routine pond cleaning activities described in Section 4.3, at least eight confirmation soil samples will be collected from each pond at statistically random locations to confirm that residual NC concentrations are less than 100 mg/kg. At least four of the confirmation soil samples collected from each pond will be collected from the third and largest cell.

In addition to analyses for NC, one soil sample collected from the first settling basin of each pond will be analyzed for total Kjeldahl nitrogen, nitrate and nitrite to confirm whether these breakdown products are present. An additional background soil sample will also be collected and analyzed for comparison.

If confirmation sampling indicates the presence of greater than 100 mg/kg NC in the remaining soil after routine cleaning, targeted excavation of soil will be performed in the vicinity of those sample locations until confirmation sampling indicates residual NC concentrations are less than 100 mg/kg.

4.6 REPORT

Subsequent to the completion of the evaporation ponds closure process, confirmation sampling and receipt of confirmation sampling analytical results, URS will prepare a draft report for regulatory review. The draft report will be submitted to the RWQCB within four weeks of completion of pond closure activities, which is currently scheduled to be completed by December 31, 2001. Upon receipt of comments from the RWQCB, URS will incorporate the comments into a final report. It is the intent of Armtec to request a "no further action" letter subsequent to the completion of the remedial activities described herein.

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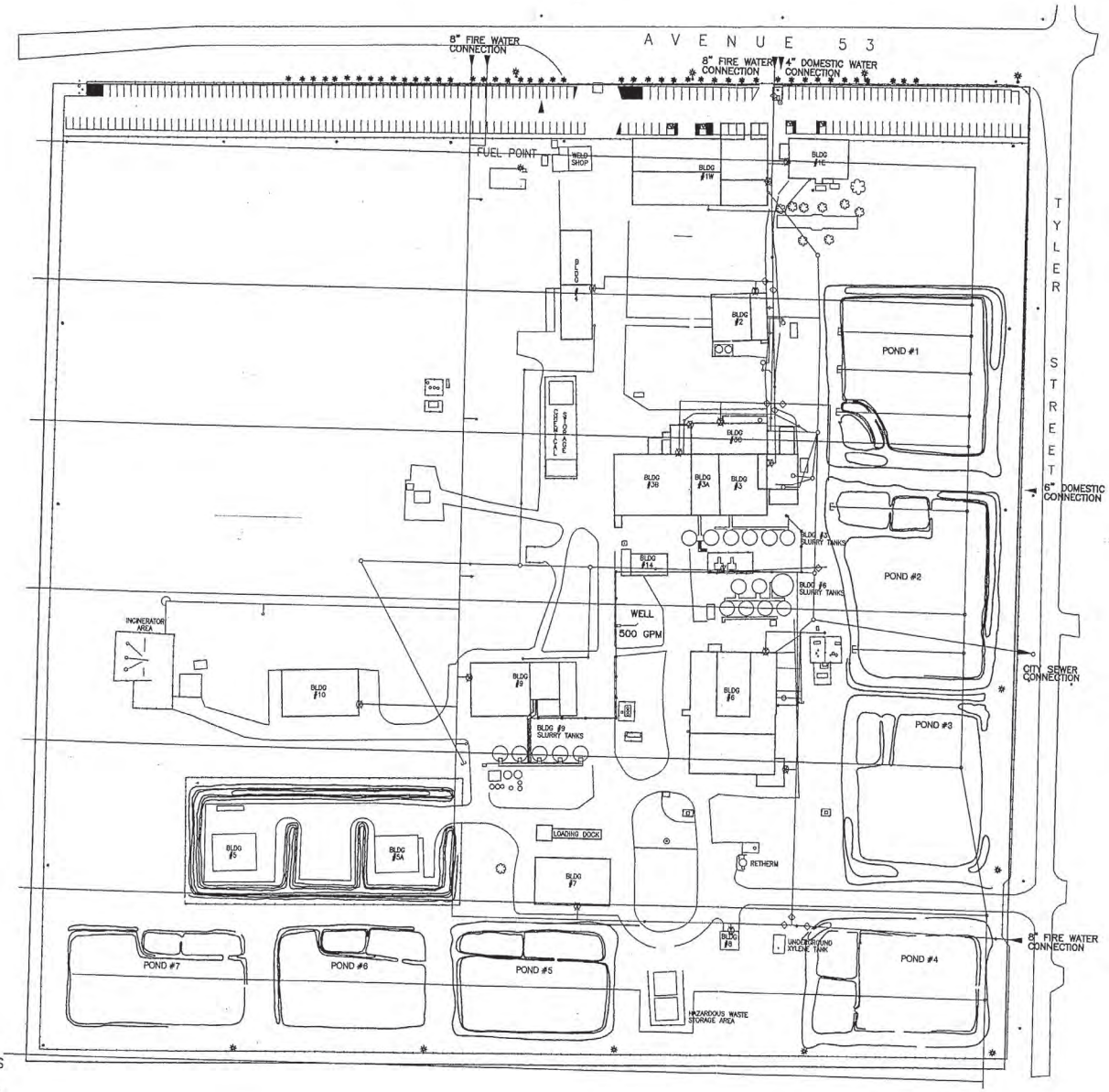
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Figures



BUILDINGS		ACTIVITY	OTHER USES
ADMINISTRATION BLDGS.	1E	OFFICES	------
	1W	OFFICES	------
R&D and LABORATORY	2	R&D, LABORATORY	PRODUCTION
PRODUCTION BLDGS.	3 COMPLEX	PRODUCTION	------
	6	PRODUCTION	------
	7	PRODUCTION	1/2 WAREHOUSING
	9	PRODUCTION	------
WAREHOUSING BLDGS.	4	DIE STORAGE	SAFETY OFFICE
	5 & 5A	NC STORAGE	------
	7	PRODUCT WAREHOUSE	1/2 PRODUCTION
	8	RAW MATERIAL WHSE	------
	10	PRODUCT WAREHOUSE	------
BOILER BLDG.	14	STEAM GENERATION	------

GENERAL INFORMATION

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85 901 AVENUE 53
COCHELLA, CA 93336

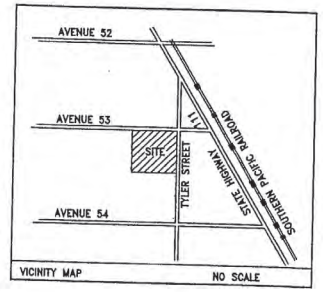
LEGAL DESCRIPTION: THE NE 1/4 OF THE SE 1/4 OF SECTION 6, TRACT 6 S, RANGE 8 EAST, S.B.B.M. EXCEPT THE NORTHERLY 44' AND THE EASTERLY 44' THEREOF IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

PARCEL NO. 765-490-009

BUILDING ZONE: M-H

SEISMIC ZONE: 4

FIRE ZONE: 2



0 150 300
APPROXIMATE GRAPHIC SCALE (FEET)

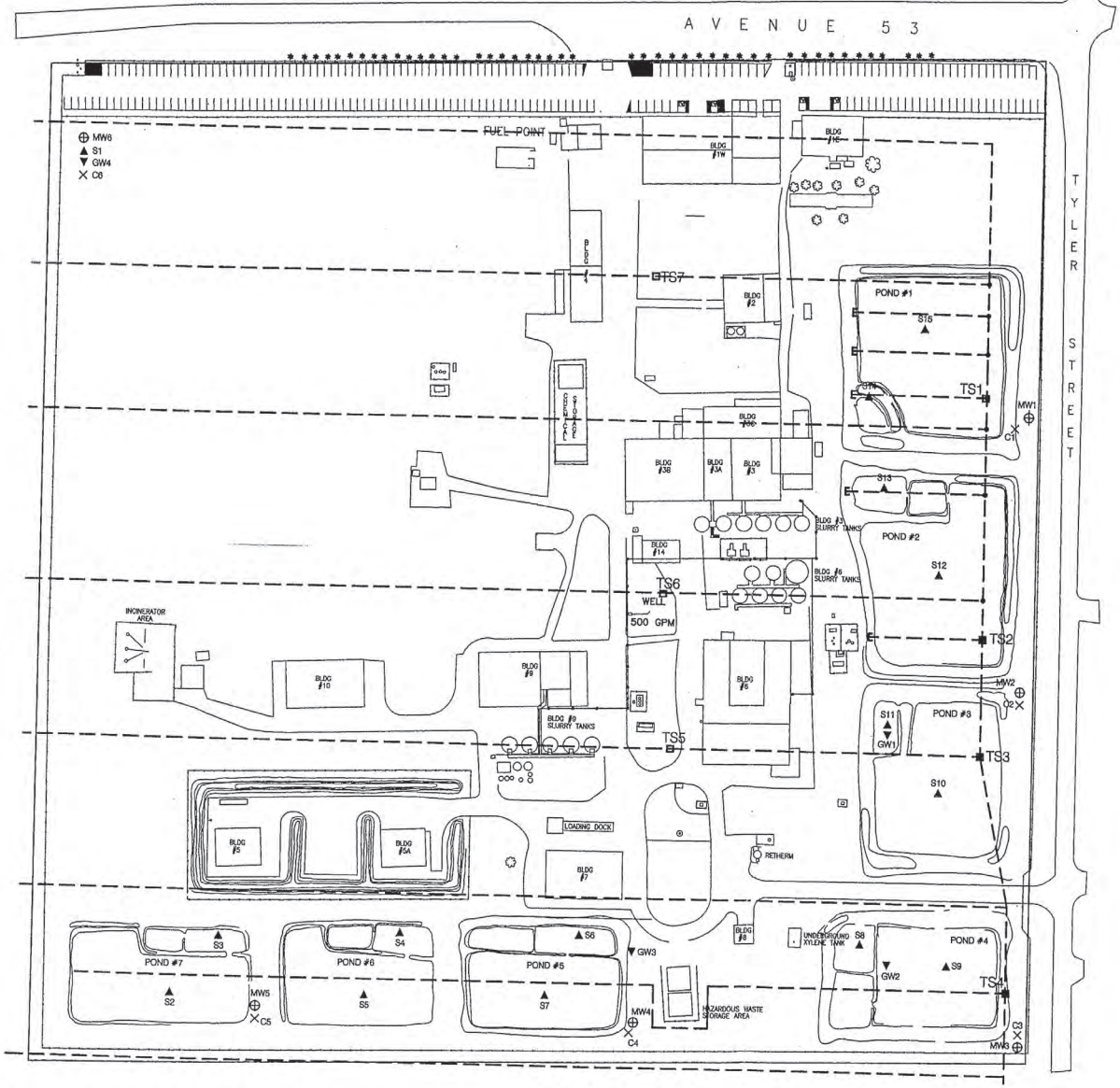
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SOURCE:
ARMTEC DEFENSE PRODUCTS
FIGURE NO. 2.1
DATED NOVEMBER 11, 2000

SITE PLAN AND VICINITY MAP
ARMTEC DEFENSE PRODUCTS

URS | CHECKED BY: VW | DATE: 4-16-01 | PM: VW | PROJ. NO: 58-00170034.01

x:\00170034\ARMTECSITE



LEGEND

MW-3 ⊕ INDICATES APPROXIMATE LOCATION OF MONITORING WELL INSTALLED BY URS IN MARCH 2001

CPT-1 × INDICATES APPROXIMATE LOCATION OF CPT BORING ADVANCED BY URS IN FEBRUARY 2001

S-4 ▲ INDICATES APPROXIMATE LOCATION OF SHALLOW SOIL BORING ADVANCED BY URS IN FEBRUARY AND MARCH 2001

GW-2 ▼ INDICATES APPROXIMATE LOCATION OF HYDROPUNCH BORING ADVANCED BY URS IN FEBRUARY 2001

TS-3 □ INDICATES APPROXIMATE LOCATION OF DRAIN TILE ACCESS PORT SAMPLED BY URS IN FERUARY 2001

INDICATES APPROXIMATE LOCATION OF REGIONAL DRAINAGE TILE LINES

N

0 150 300

APPROXIMATE GRAPHIC SCALE (FEET)

SOURCE:
ARMTEC DEFENSE PRODUCTS
FIGURE NO. 2.1
DATED NOVEMBER 11, 2000

x:\00170034\ARMTECSAMP

SAMPLE LOCATION MAP
ARMTEC DEFENSE PRODUCTS

URS	CHECKED BY: VW	DATE: 4-16-01	FIG. NO:
	PM: VW	PROJ. NO: 58-00170034.01	

APPENDIX A

Manufacturers Standard Practice Instruction No. 1205
Percolation Pond Maintenance and Cleaning

MSPI - 1205 - ADM.

PERCOLATION POND MAINTENANCE AND CLEANING

1.0 PURPOSE

This MSPI establishes the procedures for Percolation Pond Maintenance and Cleaning. It applies to all percolation ponds on the facility.

2.0 TOOLS AND EQUIPMENT REQUIRED

2.1 Tools

2.1.1 Non-sparking shovels

2.1.2 Non-sparking rakes

2.2 Equipment

CONTROLLED CONFIGURATION ITEM
REFERENCE ONLY
VOID ON DATE BELOW
AUG 22 2001

2.2.1 All terrain Fork Truck

2.2.2 Drum Transporter

2.2.3 Bagging Rack

2.2.4 55 gallon drums

2.2.5 1 inch water supply hose with nozzle

2.2.6 Shade structure for summer months

2.2.7 Out of service sign

2.2.8 Near-Infrared moisture analyzer (lab)

2.3 Materials

2.3.1 Water – City

2.3.2 Plastic bags, 23" x 10 x 39"

3.0 APPLICABLE DOCUMENT

DOD 4145.26M "Contractor Safety Manual"

Use or disclosure of data contained on this sheet is subject to the restrictions on the title page of this document.

4.0 SAFETY AND ENVIRONMENTAL

4.1 Safety references for this MSPI are in accordance with the Contractor Safety Manual (DOD 4145.26-M), the approved Safety Site Plan, and Armtec's Injury and Illness Prevention Program.

4.2 Protective fire retardant coveralls issued by Armtec shall be worn. The coveralls shall be worn closed to within 6" of the neck. Pant legs and sleeves are not to be rolled up in a fashion that creates a cuff.

4.3 Loose jewelry, such as but not limited to, bracelets or necklaces are not permitted to be worn while operating moving machinery.

4.4 Hair is to be tied back and/or held up securely to prevent it from becoming entangled in moving machinery.

4.5 Do not operate any machinery unless you have been trained and have received authorization from your Supervisor.

4.6 Any questions pertaining to the safe operation of the process shall be taken to your Supervisor. Any abnormal function or unusual occurrence must also be reported to your Supervisor.

4.7 When manually handling items in excess of 40 pounds, or bagging pond sediment, a back support belt issued by Armtec shall be worn.

4.8 In the event of fire immediately evacuate the pond area and report to the Safety Office.

4.9 Do not attempt to fight any fire in or near a pond.

4.10 Do not allow pond sediment to become dry. When a pond is being cleaned, the sediment must be maintained water moist to the touch. Ponds containing sediment that are not actively being cleaned must have a water level over the sediment.

4.10.1 At least, daily when a pond is down for service, a small sample of the sediment shall be taken to the laboratory for moisture analysis. Using the microwave moisture analyzer or equivalent, test the sample for water content.

4.10.2 The target water content of pond sediment being cleaned is 25% +/- 2% by weight. Exceeding the target moisture is not considered a deviation from this procedure.

Use or disclosure of data contained on this sheet is subject to the restrictions on the [illegible] of this document.

4.11 Do not perform weed abatement on dirty ponds that are down for cleaning.

4.12 Only non-sparking tools shall be used for pond cleaning.

4.13 All ponds are restricted areas. Unauthorized personnel shall be escorted from the area.

5.0 PREPARATION FOR CLEANING

5.1 Select a pond, other than the one scheduled for cleaning, and open the water inlet.

5.2 Close the water inlet valve to the pond that is scheduled to be cleaned.

5.2.1 Place the "Out of Service" sign in close proximity to the inlet water valve on the pond to be cleaned. This will help prevent it form being turned back on accidentally. It will also serve to identify a pond that is down for servicing.

5.3 It will take approximately one week for the water level to drop in the pond containment area to a level that facilitates cleaning. During this waiting period the pond shall be checked daily to insure the pond sediment has not dried.

CAUTION

Do not allow pond sediment to become dry. When dry it is flammable and can burn rapidly generating a great deal of heat. When pond sediment is maintained water moist to the touch it will not sustain burning on its own. (See 4.10.1 and 4.10.2)

NOTICE

During periods of down time such as weekends and holidays, enough water shall be added to all pond containment areas to insure they do not become dry.

5.4 Once the water has drained off or evaporated the Lead Burner or Supervisor will make the determination if the pond is ready to clean.

Use of this data contained on this sheet is subject to the restrictions on the [illegible] of this document.

6.0 CLEANING

6.1 The Lead Burner will select a corner of the containment area to begin the cleaning.

WARNING

Do not allow pond sediment to become dry. When dry it is flammable. While cleaning a pond, check the sediment often throughout the day to insure it is moist to the touch. (See 4.10.1 and 4.10.2)

6.2 Using a non-sparking shovel, scoop the area selected as an entry point free of sediment. Place the shovel scoops of sediment into the plastic bags.

6.2.1 A non-sparking rake may be used for collecting clods.

6.3 With the moist sediment in the bag, tie the opening of the bag in a knot as if you were tying a balloon. This will prevent the sediment from drying out.

6.4 Place the sealed bag of sediment into a 55-gallon drum for transport to the incinerator area.

6.5 Continue with 6.2 through 6.4 until an area large enough for the bagging rack is created.

6.6 Place the bagging rack in the cleaned entry area. Insert bags into the framing.

6.7 Continue scooping the pond sediment from the containment area. Use care to minimize the dirt collected buy insure a good collection of sediment is achieved.

6.8 Place the collected pond sediment into the bags on the bagging rack.

6.9 When full tie and seal the bags.

6.10 Place the full bags into 55 gallons drums for transport to the incinerators.

6.10.1 Full bags of sediment may be placed into piles for collection. They may be drummed later in the shift for transport to the incinerators.

6.10.2 Bags of pond sediment must be placed in to drums prior to the end of the work shift.

Use or disclosure of data contained on this sheet is subject to the restrictions on the title page of this document.

6.11 When the drummed pond sediment is received at the incinerator holding area, a Burn Tag shall be affixed to the drum or to one of the bags in the top of the drum. The burn tag shall be filled out indicating the pond the material was removed from, the date of removal, and the operators names.

6.11.1 Under no circumstance shall drums of sediment be staged for incineration exceeding 90 calendar days. The priority is to demilitarize the material as soon as possible after arriving at the incinerator area.

6.12 At the end of a work shift, the Supervisor or Leadperson shall insure the containment area is wet down enough so as not to dry out overnight. For weekends or other extended down times enough water shall be added to the pond containment area to insure it will not become dry.

Use or disclosure of data contained on this sheet is subject to the restrictions on the title page of this document.

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JUL 13 2001
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CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE
GENERAL INFORMATION FORM FOR
WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

I. FACILITY INFORMATION

A. Facility:

Name: Armtec Defense Products Company			
Address: 85-901 Avenue 53, P.O. Box 848			
City: Coachella	County: Riverside	State: CA	Zip Code: 92236
Contact Person: Mr. James Palmer		Telephone Number: (760) 398-0143	

B. Facility Owner:

Name: Esterline Technologies			Owner Type (Check One) 1. ☐ Individual 2. ☒ Corporation 3. ☐ Governmental Agency 4. ☐ Partnership 5. ☐ Other:
Address: 10800 N.E. 8th Street, Suite 600			
City: Bellevue	State: WA	Zip Code: 98004	
Contact Person: Larry Kring	Telephone Number: (425) 453-9400	Federal Tax ID: 91-145-8099	

C. Facility Operator (The agency or business, not the person):

Name: Armtec Defense Products			Operator Type (Check One) 1. ☐ Individual 2. ☒ Corporation 3. ☐ Governmental Agency 4. ☐ Partnership 5. ☐ Other:
Address: 85-901 Avenue 53, P.O. Box 848			
City: Coachella	State: CA	Zip Code: 92236	
Contact Person: Mr. James Palmer	Telephone Number: (760) 398-0143		

D. Owner of the Land:

Name: Esterline Technologies			Owner Type (Check One) 1. ☐ Individual 2. ☒ Corporation 3. ☐ Governmental Agency 4. ☐ Partnership 5. ☐ Other:
Address: 10800 N.E. 8th Street, Suite 600			
City: Bellevue	State: WA	Zip Code: 98004	
Contact Person: Larry Kring	Telephone Number: (425) 453-9400		

E. Address Where Legal Notice May Be Served:

Address: 85-901 Avenue 53, P.O. Box 848		
City: Coachella	State: CA	Zip Code: 92236
Contact Person: Mr. James Palmer	Telephone Number: (760) 398-0143	

F. Billing Address:

Address: 85-901 Avenue 53, P.O. Box 848		
City: Coachella	State: CA	Zip Code: 92236
Contact Person: Mr. James Palmer	Telephone Number: (760) 398-0143	

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Form 200(6/97)

7A332005012

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE
GENERAL INFORMATION FORM FOR
WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

II. TYPE OF DISCHARGE

Check Type of Discharge(s) Described in this Application (A or B):

[X] **A. WASTE DISCHARGE TO LAND** [ ] **B. WASTE DISCHARGE TO SURFACE WATER**

Check all that apply:

- [ ] Domestic/Municipal Wastewater Treatment and Disposal
- [ ] Cooling Water
- [ ] Mining
- [ ] Waste Pile
- [ ] Wastewater Reclamation
- [X] Other, please describe: For Emergency Storage Only
- [ ] Animal Waste Solids
- [ ] Land Treatment Unit
- [ ] Dredge Material Disposal
- [X] Surface Impoundment
- [X] Industrial Process Wastewater
- [ ] Animal or Aquacultural Wastewater
- [ ] Biosolids/Residual
- [ ] Hazardous Waste (see instructions)
- [ ] Landfill (see instructions)
- [ ] Storm Water

III. LOCATION OF THE FACILITY

Describe the physical location of the facility.

1. Assessor's Parcel Number(s)
Facility: 765-490-009
Discharge Point: 765-490-009

2. Latitude
Facility: 33° 39' 48"
Discharge Point: 33° 39' 36"

3. Longitude
Facility: 116° 9' 50"
Discharge Point: 116° 9' 50"

IV. REASON FOR FILING

- [ ] New Discharge or Facility
- [X] Change in Design or Operation
- [ ] Change in Quantity/Type of Discharge
- [ ] Changes in Ownership/Operator (see instructions)
- [ ] Waste Discharge Requirements Update or NPDES Permit Reissuance
- [ ] Other: _____

V. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Name of Lead Agency: California Regional Water Quality Control Board

Has a public agency determined that the proposed project is exempt from CEQA? [ ] Yes [X] No *

If Yes, state the basis for the exemption and the name of the agency supplying the exemption on the line below.

Basis for Exemption/Agency: * Anticipate RWQCB to determine project is exempt

Has a "Notice of Determination" been filed under CEQA? [ ] Yes [X] No

If Yes, enclose a copy of the CEQA document, Environmental Impact Report, or Negative Declaration. If no, identify the expected type of CEQA document and expected date of completion.

Expected CEQA Documents:

- [ ] EIR
- [X] Negative Declaration

Expected CEQA Completion Date: Unknown

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JUL 13 2007
REGION 7

Form 200(6/97)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE
GENERAL INFORMATION FORM FOR
WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

VI. OTHER REQUIRED INFORMATION

Please provide a COMPLETE characterization of your discharge. A complete characterization includes, but is not limited to, design and actual flows, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any Best Management Practices (BMPs) used, and a description of disposal methods.

Also include a site map showing the location of the facility and, if you are submitting this application for an NPDES permit, identify the surface water to which you propose to discharge. Please try to limit your maps to a scale of 1:24,000 (7.5' USGS Quadrangle) or a street map, if more appropriate.

VII. OTHER

Attach additional sheets to explain any responses which need clarification. List attachments with titles and dates below:

A summary of the proposed modifications to the waste discharge process are summarized in the attached letter and design drawings prepared by URS.

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your Application/Report of Waste Discharge, pursuant to Division 7, Section 13260 of the California Water Code.

VIII. CERTIFICATION

"I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name: JAMES R. PALMER **Title:** VP OPERATIONS

Signature: James R Palmer **Date:** 07-13-01

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REGION 7

FOR OFFICE USE ONLY

Date Form 200 Received:	Letter to Discharger:	Fee Amount Received:	Check #:

Form 200 (6/97)

Armtec Defense Products Co.

Advanced Materials Group, Esterline Technologies

85-901 Avenue 53
P.O. Box 848
Coachella, CA 92236

Phone: 760/398-0143
FAX: 760/398-7033

Esterline **ARMTEC**

July 12, 2001
JP-01-082

Neal Krull
Sanitary Engineering Associate
California Regional Water Quality Control Board
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260
(760) 776-8957
(760) 341-6820 FAX

RE: Cleanup and Abatement Order 00-135: Submittal of Request for Modification of Permit Order No. 91-043 Regarding Waste Discharge Requirements

Ref: Letter dtd. May 30, 2001; Palmer to RWQCB; Remediation Plan

Dear Mr. Krull:

Per the referenced May 30 Plan and its predecessor documents, Armtec Defense Products hereby submits for your consideration our request to modify the existing discharge permit to recognize the significant improvements resulting from the referenced Plan. The resulting modified permit, as requested herein, will then limit further discharges, after its effectivity date, to only emergency discharges to new double-lined ponds. This application requests the RWQCB's approval of:

- The closing of the present seven unlined ponds, and
- The design and construction of two new double-lined ponds.

DESCRIPTION OF FACILITY AND DISCHARGE SOURCES

The Armtec facility consists of approximately 40 acres bounded by Avenue 53 on the north, Tyler Street on the east, and agricultural land on the south and west in Coachella, California (Figure 1). Armtec is a government defense contractor that manufactures fiber-based ammunition components known as combustible cartridge cases or containers (CCCs). The facility has been producing components for combustible ordinance for the U.S. government since 1968. The containers manufactured at the facility are designed to hold propellants and projectiles for military weapons systems such as mortars, artillery charges and tank ammunition. Manufacturing activity at the Armtec plant is limited to the production of the

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REGION 7

CCC, with all subsequent processing to create a completed loaded ammunition product occurring at non-Armtec facilities located elsewhere throughout the United States.

Production for the three main product lines (Tank, Mortar Increments, and Artillery/MACS) is concentrated in three buildings at the facility known as Buildings 3, 6 and 9. Two discharge streams result from this production--one stream (the process stream) containing the water and chemicals that become the finished CCC; and one stream (the washdown stream) containing the water and chemicals/materials that result from periodic cleaning of the buildings and equipment as part of routine maintenance. In addition, research and development is conducted by Armtec in a separate onsite facility (Building 2) and occasional discharges occur from this source. An average of 150,000 to 200,000 gallons of water is used each production day at Armtec for these three uses, with the majority of that water already being recycled, leaving approximately 20,000 to 80,000 gallons per day to be discharged to the present unlined ponds. After the discharges settle in the ponds and the majority of the water evaporates off, the remaining wet solids are retrieved and burned in an approved onsite incinerator.

Please see the attached Pond Closure Plan for a fuller description of the process.

PROPOSED WASTE DISCHARGE MODIFICATIONS

By agreement with the RWQCB, Armtec is implementing a redesigned manufacturing process which will eliminate the unlined ponds and will capture or recycle 100% of all washdown waters, process waters, and R&D waters. The proposed modification requests approval for the design and construction of two engineered lined ponds for emergency use only, with all other discharges being recycled or captured and packaged for appropriate offsite disposal. The redesigned system is scheduled to be fully operational by January 2002. Armtec intends to cease discharging to 5 of the 7 ponds by July 31, 2001 and to discontinue discharges to the final 2 ponds prior to December 31, 2001. The 7 existing unlined ponds will then be closed and replaced with two lined ponds for emergency use only.

Existing waste discharge requirements for the facility are outlined in RWQCB Order No. 91-043, dated September 18, 1991. The following list of chemical/material additives are currently used in Armtec's manufacturing process:

- Diphenylamine (DPA)
- Ethanol
- Nalcon (contains methylene-bis-thiocyanate)
- Aluminum sulfate
- Marbon (natural rubber latex)
- Talc (inert powder)
- Kymene (contains polymerized epichlorohydrin)
- Polyester fiber
- Acrylic fiber

The proposed two lined ponds are double-lined emergency evaporation ponds to be constructed at the approximate locations of existing Ponds 5, 6 and 7 (see Figure 1). Each

pond will be designed with sufficient total volume to hold a total of 900,000 gallons of combined emergency discharge plus rain from a 100-year storm, and to also allow 24 inches of freeboard. Because the ponds will be used for emergency storage only, and because the recently-completed groundwater evaluation indicated no significant impacts to groundwater from discharges to the unlined ponds, a leak detection system is not considered necessary. Engineering plans and specifications for the design and construction of the two emergency containment ponds are included as Attachment A.

PROPOSED MONITORING AND REPORTING REQUIREMENTS

Armtec is currently required to conduct effluent monitoring for numerous inorganic and organic constituents and bioassays on a monthly to annual basis. Since the discharge of wastewater to unlined ponds will be discontinued, and since all future discharges will be to double-lined ponds used only for emergency storage, Armtec proposes discontinuing effluent monitoring for inorganic and organic constituents and bioassays, and reporting only event discharges on an annual basis.

Armtec is currently required to conduct tile line discharge monitoring on a quarterly basis for inorganic and organic constituents, except for diphenylamine, which is monitored on a monthly basis. Since the discharge of wastewater to unlined ponds will be discontinued, and all future discharges will be to double-lined ponds used only for emergency storage, Armtec proposes discontinuing tile line discharge monitoring for all constituents.

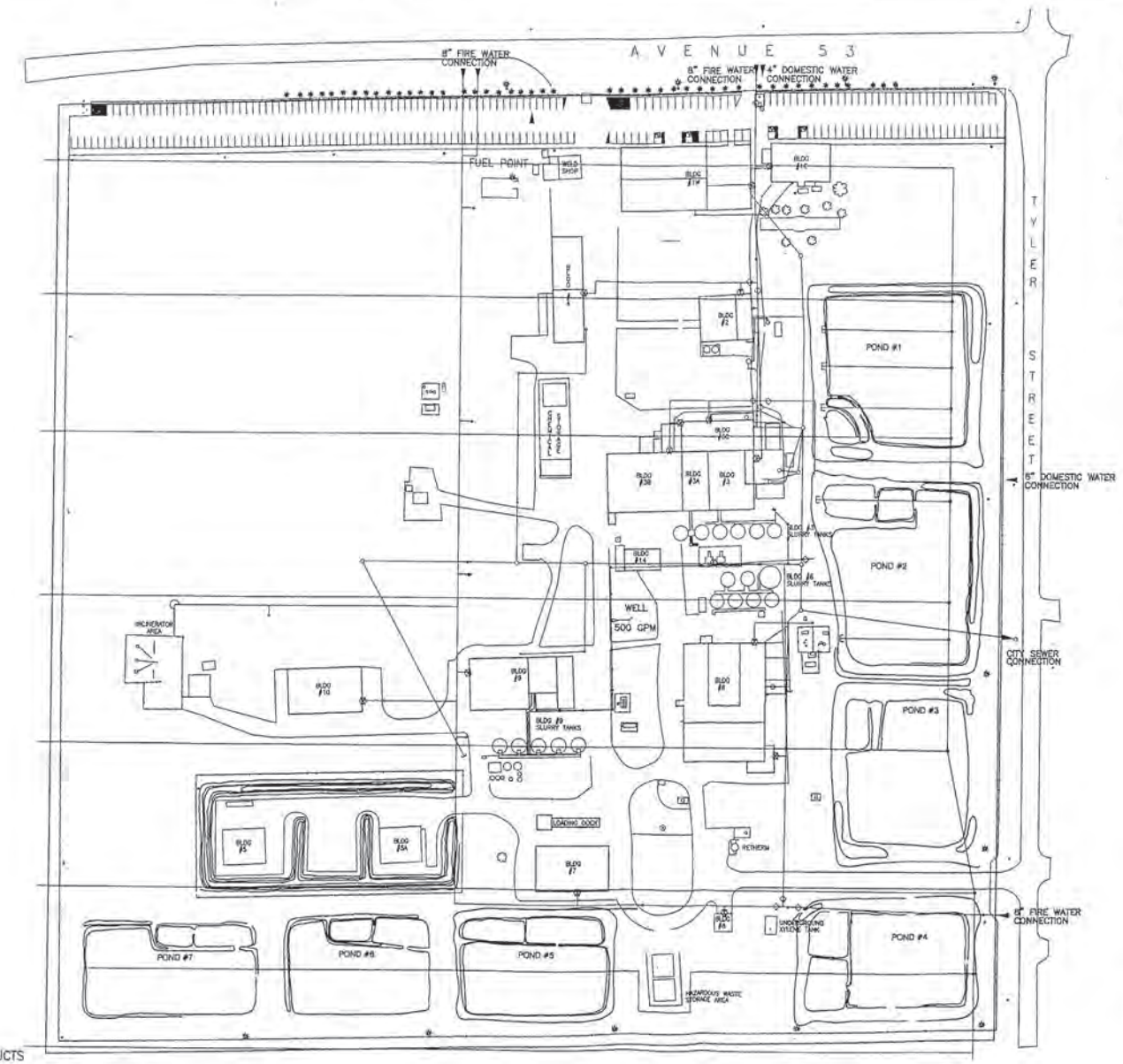
A copy of the Application/Report of Waste Discharge, General Information Form for Waste Discharge Requirements or NPDES Permit (Form 200) is included as Attachment B. In the preparation of Form 200, we have assumed that the RWQCB will act as the "Lead Agency" with respect to the California Environmental Quality Act (CEQA). In addition, since the requested modification involves emergency only wastewater discharges to double-lined evaporation ponds versus the current process which allows routine discharges to unlined ponds, we have assumed that the RWQCB will determine that the project is exempt from CEQA for the purpose of obtaining a modified WDR for wastewater discharges at the facility.

If you have any questions, please contact us at the above phone number.

Yours truly,

James R. Palmer
Vice President of Operations

Encl: Attachment A--Engineering plans for two lined ponds
Attachment B--Form 200 application
Figure 1--Map of Armtec Site



BUILDINGS		ACTIVITY	OTHER USES
ADMINISTRATION BLDGS.	1E	OFFICES	------
	1W	OFFICES	------
R&D and LABORATORY	2	R&D, LABORATORY	PRODUCTION
PRODUCTION BLDGS.	3 COMPLEX	PRODUCTION	------
	6	PRODUCTION	------
	7	PRODUCTION	1/2 WAREHOUSING
	9	PRODUCTION	------
WAREHOUSING BLDGS.	4	DIE STORAGE	SAFETY OFFICE
	5 & 5A	NC STORAGE	------
	7	PRODUCT WAREHOUSE	1/2 PRODUCTION
	8	RAW MATERIAL WHSE	------
	10	PRODUCT WAREHOUSE	------
BOILER BLDG.	14	STEAM GENERATION	------

GENERAL INFORMATION

LEGAL OWNER: ARMTEC DEFENSE PRODUCTS, INC.
85 901 AVENUE 53
COCHELLA, CA 93336

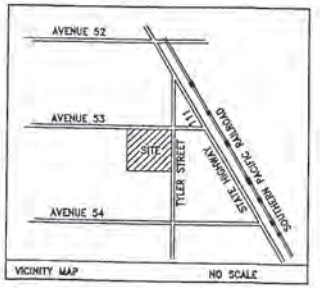
LEGAL DESCRIPTION: THE NE 1/4 OF THE SE 1/4 OF SECTION 8, TRACT 6 S, RANGE 8 EAST, S.B.B.M. EXCEPT THE NORTHERLY 44' AND THE EASTERLY 44' THEREOF IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

PARCEL NO. 765-490-009

BUILDING ZONE: M-H

SEISMIC ZONE: 4

FIRE ZONE: 2



0 150 300
APPROXIMATE GRAPHIC SCALE (FEET)

N

SOURCE:
ARMTEC DEFENSE PRODUCTS
FIGURE NO. 2.1
DATED NOVEMBER 11, 2000

SITE PLAN AND VICINITY MAP
ARMTEC DEFENSE PRODUCTS

URS	CHECKED BY: VW	DATE: 4-16-01	FIG. NO:
	PM: VW	PROJ. NO: 58-00170034.01	1

x:\00170034\ARMTECSITE

Armtec Defense Products Co.
AN ESTERLINE COMPANY

85-901 Avenue 53
P.O. Box 848
Coachella, CA 92236

Tel: 760-398-0143
Fax: 760-398-4609
www.armtecdefense.com

March 28, 2002
Ref: RD-02-004

[redacted]
Supervising Hazardous Materials Management Specialist
County of Riverside Dept. of Environmental Health
47-923 Oasis St. #E4
Indio, CA 92201

Subject: Soil Sampling Related to Piping Removal-Armtec Defence Products, Co.
85-901 Avenue 53, Coachella, California

Dear Mr. Ray:

In conjunction with your permit, feed piping between an underground xylene storage tank and a production facility was removed in preparation for replacement. I have enclosed a copy of the Geologist's Soil Collection and Analysis Report for the sampling related to the piping removal.

Xylenes were detected in soil samples, as noted in the report, at locations by the xylene tank and at the production building. Xylenes were not detected in the remaining samples.

Please review the test findings and let us know your recommendations for the next steps we need to take.

Sincerely,

Ron DiFelice
Assistant Manager, Environmental Affairs
Armtec Defense Products Co.

cc: Mr. Neal Krull
CRWQCB
73-720 Fred Waring Drive
Suite 100
Palm Desert, CA 92260

Dave Simpson
Jim Palmer
Dennis Hurvitz

Advanced GeoEnvironmental, Inc.

21 March 2002
AGE Project No. RC 5531D1.960

Mr. Gary Backe
Tank Specialists of California
12425 Mills Avenue, Suite A7
Chino, California 91710-2084

Subject: **Soil Sampling Related to Product Piping Removal -**
Armtec Defense Products Co., 85-901 Avenue 53, Coachella, California

Dear Mr. Backe:

In accordance with your request, we have collected and analyzed soil samples related to product piping removal at the above referenced address. The enclosed report describes the procedures and findings of this sampling program.

The opportunity to provide this service is greatly appreciated. If you have any questions regarding this matter, please feel free to call our office at (714) 996-5151.

Sincerely,

Advanced **GeoEnvironmental, Inc.**

REGISTERED GEOLOGIST
ROBERT D. LOEFFLER
No. 6709
STATE OF CALIFORNIA

Robert D. Loeffler
Project Geologist
California Registered Geologist No. 6709

Enclosures

cc: (4) addressee

Soil Sampling Related to Product Piping Removal
Armtec Defense Products Co.
85-901 Avenue 53, Coachella, California

1.0. INTRODUCTION

Advanced GeoEnvironmental, Inc. (AGE) was retained by Tank Specialists of California (TSC) to collect soil samples following the removal of approximately 230-feet of product piping related to an 8,000-gallon underground storage tank (UST) at the above-referenced site. The site is located in a rural desert area at an approximate elevation of 95 feet below mean sea level (Figure 1 - *Location Map*, 7.5-Minute Indio Quadrangle, USGS Topographic Series, Photorevised 1972).

1.1. DEPTH TO GROUND WATER INFORMATION

According to the personnel from Armtec, ground water is as shallow as 10-feet below surface grade (bsg) at the site. Saturated conditions were encountered in the soil at approximately 9-feet bsg during this investigation. Ground water flow is inferred to be topographically controlled, flowing to the southeast.

1.2. UNDERGROUND STORAGE TANK SYSTEM

The underground storage tank system consisted of an 8,000-gallon UST used to store xylene and two 230-foot long product pipes that provided xylene to Building 6. The UST system will be retrofitted with above-ground piping. The depth to the removed piping ranged from approximately 2-feet bsg near the UST to 2-inches bsg near Building 6. The former piping run, UST and immediately surrounding features are depicted on Figure 2 - *Site Plan*.

2.0. PROCEDURES

Two product pipes were located in the piping trench (Figure 2). The product piping union from one pipe was generally offset approximately 5-feet from the union of the second pipe. Therefore, the soil samples were generally collected between the unions, or approximately 2.5-feet from the union of each pipe. The unions were at the same location on each pipe in the two areas where the piping direction changed (Figure 2).

The soil samples were collected with a hand auger and were collected approximately 2-feet below the pipes. The sample numbers identify the sample location number and depth below surface grade (ie. sample PL1-4' was collected from sample location 1 at 4-feet below surface grade). Based on field observations, deeper soil samples were collected from the area of sample PL1-4'. A small trench was excavated with a backhoe near sample PL1-4' to a maximum depth of 9-feet bsg (Figure 2). Additional samples were collected from the teeth of the backhoe from

depths of 8 and 9-feet bsg. In addition, an 8-foot bsg sample was collected from sample location PL2-4' utilizing a hand auger.

The samples were collected by retrieving the soil from the bucket of the hand auger or backhoe teeth and compacting the soil into brass sleeves. The sleeves were sealed with aluminum foil sheets, and capped with end caps. The samples were then relinquished to a representative of the Riverside County – Department of Environmental Health (RC-DEH) for labeling and sealing with evidence tape. The samples were then placed in a chilled container for subsequent transport to a state-certified laboratory. Soil sampling procedures were performed by Mr. Robert Loeffler, California Registered Geologist No. 6709. The soil sampling event was directed and witnessed by Ms. Jackie Jones of the RC-DEH.

The samples were transported under chain-of-custody to Cal Tech Environmental Laboratories (CTEL) for analysis. The samples were analyzed for purgeable aromatic hydrocarbons (benzene, toluene, ethylbenzene and xylenes) with methyl tertiary butyl ether (MTBE) in accordance with EPA method 8021.

3.0. FINDINGS

Aromatic odors were noted in the samples collected near the UST (samples PL1-4', PL1-8' and PL1-9'). No odors were noted at the remaining sample locations. Saturated conditions were encountered at 9-feet near the UST.

Xylenes were detected at 9.2 mg/kg, 520 mg/kg and 5 mg/kg in samples PL1-4', PL1-8' and PL1-9', respectively. Xylenes were also detected at 0.013 mg/kg in sample PL13-2'. Xylenes were not detected in the remaining samples.

Ethylbenzene was detected in samples PL1-4', PL1-8' and PL1-9' at 0.70 mg/kg, 66 mg/kg and 1.1 mg/kg, respectively. Ethylbenzene was not detected in any additional samples.

Benzene, toluene and MTBE were not detected in any of the samples collected. The analytical results are summarized on Table 1. The analytical report (CTEL Project Number CT178-0203091), RC-DEH sample receipt form and chain-of-custody forms are attached.

4.0. CONCLUSIONS

Based on field observations and analytical results, hydrocarbons were detected in the piping trench near the northern end of the UST. The impacted soil appears to extend to the ground water table at 9 feet bsg. Xylenes were also detected at the end of the piping run near Building 6, however, the concentration is low and does not warrant further assessment.

This report should be submitted to RC-DEH for further review and directives.

5.0 LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings were based mainly upon analytical results provided by independent laboratories. Interpretations of the subsurface conditions at the site for the purpose of this investigation are made from a limited number of available data points (i.e. soil samples) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional recommendations contained in this report.

TABLE 1
ANAYTICAL RESULTS
Armtec Defense Products Co.
14 March 2002

Sample Number	Depth (feet bsg)	Purgeable Aromatic Compounds with MTBE (EPA method 8021), mg/kg				
		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
PL1-4'	4'	<0.005	<0.005	**0.70**	**9.2**	<0.01
PL1-8'	8'	<0.005	<0.005	**66**	**520**	<0.01
PL1-9'	9'	<0.005	<0.005	**1.1**	**5**	<0.01
PL2-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL3-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL4-4'	4'	<0.005	<0.005	<0.005	<0.005	<0.01
PL5-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL6-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL7-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL8-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL9-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL10-3'	3'	<0.005	<0.005	<0.005	<0.005	<0.01
PL11-2'	2'	<0.005	<0.005	<0.005	<0.005	<0.01
PL12-2'	2'	<0.005	<0.005	<0.005	<0.005	<0.01
PL13-2'	2'	<0.005	<0.005	<0.005	**0.013**	<0.01

Note: Samples obtained approximately 2-feet below piping. Depths shown above are below surface grade.

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No:
Client Name:
CT178-0203091
Advanced Geo Environmental, Inc.
3315 E. Miraloma Ave., Suite 117
Anaheim, CA 92806

Phone:(714) 996-5151
Fax: (714) 996-5182

Attention:
Mr. Robert Lodffler

Project ID:
Project Name:
Armtech Defense Products, Coachella

Matrix: Soil

Date Sampled:
Date Received:
Date Analyzed:
03/14/02 @ 10:47 am
03/14/02 @ 17:15 p.m.
03/15/02

Laboratory ID: / Client Sample ID: / Dilution	0203-091-1 PL1-4' 5-50	0203-091-2 PL1-8' 100-1000	0203-091-3 PL1-9' 1-100	Method	Units	Detection Limit
MtBE	ND	ND	ND	SW846 8021	mg/Kg	0.01
Benzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Toluene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Ethylbenzene	0.70	66	1.1	SW846 8021	mg/Kg	0.005
Total Xylene	9.2	520	5.0	SW846 8021	mg/Kg	0.005

ND = Not Detected at the indicated Detection Limit

CHEL Project No: CT178-0203091
Client Name: Advanced Geo Environmental, Inc.
3315 E. Miraloma Ave., Suite 117
Anaheim, CA 92806

Phone:(714) 996-5151
Fax: (714) 996-5182

Attention: Mr. Robert Lodffler

Project ID:
Project Name: Armtech Defense Products, Coachella

Matrix: Soil

Date Sampled: 03/14/02 @ 11:01 am
Date Received: 03/14/02 @ 17:15 p.m.
Date Analyzed: 03/15/02

Laboratory ID: / Client Sample ID:	0203-091-4 PL2-3'	0203-091-5 PL2-8'	0203-091-6 PL3-3'	Method	Units	Detection Limit
Dilution	1	1	1			
MtBE	ND	ND	ND	SW846 8021	mg/Kg	0.01
Benzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Toluene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Total Xylene	ND	ND	ND	SW846 8021	mg/Kg	0.005

ND = Not Detected at the indicated Detection Limit

CTDL Project No: CT178-0203091
Client Name: Advanced Geo Environmental, Inc.
3315 E. Miraloma Ave., Suite 117
Anaheim, CA 92806

Phone:(714) 996-5151
Fax: (714) 996-5182

Attention: Mr. Robert Lodffler

Project ID: Armtech Defense Products, Coachella
Project Name:

Matrix: Soil

Date Sampled: 03/14/02 @ 11:13 am
Date Received: 03/14/02 @ 17:15 p.m.
Date Analyzed: 03/15/02

Laboratory ID: / Client Sample ID:	0203-091-7 PL4-4'	0203-091-8 PL5-3'	0203-091-9 PL6-3'	Method	Units	Detection Limit
Dilution	1	1	1			
MtBE	ND	ND	ND	SW846 8021	mg/Kg	0.01
Benzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Toluene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Total Xylene	ND	ND	ND	SW846 8021	mg/Kg	0.005

ND = Not Detected at the indicated Detection Limit

CTET Project No: CT178-0203091
Client Name: Advanced Geo Environmental, Inc.
3315 E. Miraloma Ave., Suite 117
Anaheim, CA 92806
Phone:(714) 996-5151
Fax: (714) 996-5182
Attention: Mr. Robert Lodffler

Project ID:
Project Name: Armtech Defense Products, Coachella

Date Sampled: 03/14/02 @ 12:02 p.m.
Date Received: 03/14/02 @ 17:15 p.m.
Date Analyzed: 03/15/02
Matrix: Soil

Laboratory ID: / Client Sample ID:	0203-091-10 PL7-3'	0203-091-11 PL8-3'	0203-091-12 PL9-3'	Method	Units	Detection Limit
Dilution	1	1	1			
MtBE	ND	ND	ND	SW846 8021	mg/Kg	0.01
Benzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Toluene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Total Xylene	ND	ND	ND	SW846 8021	mg/Kg	0.005

ND = Not Detected at the indicated Detection Limit

CTDF Project No: CT178-0203091
Client Name: Advanced Geo Environmental, Inc.
3315 E. Miraloma Ave., Suite 117
Anaheim, CA 92806

Phone:(714) 996-5151
Fax: (714) 996-5182

Attention: Mr. Robert Lodffler

Project ID: Armtech Defense Products, Coachella
Project Name:

Date Sampled: 03/14/02 @ 11:46 am
Date Received: 03/14/02 @ 17:15 p.m.
Date Analyzed: 03/15/02

Matrix: Soil

Laboratory ID: / Client Sample ID:	0203-091-13 PL10-3'	0203-091-14 PL11-2'	0203-091-15 PL12-2'	Method	Units	Detection Limit
Dilution	1	1	1			
MtBE	ND	ND	ND	SW846 8021	mg/Kg	0.01
Benzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Toluene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	SW846 8021	mg/Kg	0.005
Total Xylene	ND	ND	ND	SW846 8021	mg/Kg	0.005

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT178-0203091
Client Name: Advanced Geo Environmental, Inc.
3315 E. Miraloma Ave., Suite 117
Anaheim, CA 92806
Phone:(714) 996-5151
Fax: (714) 996-5182
Attention: Mr. Robert Lodffler

Project ID:
Project Name: Armtech Defense Products, Coachella

Date Sampled: 03/14/02 @ 12:44 p.m/
Date Received: 03/14/02 @ 17:15 p.m.
Date Analyzed: 03/15/02
Matrix: Soil

Laboratory ID:					
Client Sample ID:	0203-091-16 PL13-2'	Method	Units	Detection Limit
Dilution	1			
MtBE	ND	SW846 8021	mg/Kg	0.01
Benzene	ND	SW846 8021	mg/Kg	0.005
Toluene	ND	SW846 8021	mg/Kg	0.005
Ethylbenzene	ND	SW846 8021	mg/Kg	0.005
Total Xylene	0.013	SW846 8021	mg/Kg	0.005

ND = Not Detected at the indicated Detection Limit

R. Tajbakhsh For

Greg Tejirian
Laboratory Director

*The results are base upon the sample received. Soil samples are not homogeneous

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 02-091 Page 1 of 2

Chain of Custody Record

Client: Advanced GeoEnvironmental, Inc [redacted]

Address: 3325 East Miraloma Avenue #117
Anaheim, CA 92806

Project: Armtech Defense Products, Coachella

Sampled By: Robert Loeffler / [signature]
Name/Signature

[redacted]

Rush _____

Normal X

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	Analyses Requested: 8021	Archive	Comments
[redacted]	PL1-4'	3/14/02 / 10:47	BRASS	1		SOIL	X		
	PL1-8'	3/14/02 / 13:25	BRASS	1		SOIL	X		
	PL1-9'	3/14/02 / 13:32	BRASS	1		SOIL	X		
	PL2-3'	3/14/02 / 11:01	BRASS	1		SOIL	X		
	PL2-8'	3/14/02 / 13:48	BRASS	1		SOIL	X	#3	
	PL3-3'	3/14/02 / 11:11	BRASS	1		SOIL	X	1	
	PL4-4'	3/14/02 / 11:13	BRASS	1		SOIL	X		
	PL5-3'	3/14/02 / 11:23	BRASS	1		SOIL	X		
	PL6-3'	3/14/02 / 11:36	BRASS	1		SOIL	X		
	PL7-3'	3/14/02 / 12:02	BRASS	1		SOIL	X		

Relinquished: [signature] Date / Time: 3/14/02 / 4:30p Received: _____

Dispatched : _____ Date / Time: _____ Carrier: _____

I hereby authorize the performance of the above indicated tests.

[signature]

Date / Time: 3-14-02 / 5:15p Received by lab: R. Yglesias

Custody seal(s) in tact upon receipt by lab? YES NO NO

CTELCCR.DOC

Mar 25 02 05: [redacted] p
Tank Specialists
909 590 5417
P.4
Item 3.
920

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-091 Page 2 of 2

Chain of Custody Record

Client: Advanced GeoEnvironmental, Inc
Contact:
Address: 3315 East Miraloma Avenue #117
Anaheim, CA 92806
Project: Artesia Double Products, Coachella
Sampled By: Robert Loeffler / [signature]
Name/Signature

[redacted]

Turn Around Time
Rush
Normal X

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	Analyses Requested: 8021 (BTEX)	Comments
	PL8-3'	3/14/02 /14:58	BRASS	1		SOIL	X	
	PL9-3'	3/14/02 /11:51	BRASS	1		SOIL	X	
	PL10-3'	3/14/02 /11:46	BRASS	1		SOIL	X	
	PL11-2'	3/14/02 /11:52	BRASS	1		SOIL	X	
	PL12-2'	3/14/02 /12:36	BRASS	1		SOIL	X	
	PL13-2'	3/14/02 /12:44	BRASS	1		SOIL	X	

Relinquished: [signature]
Dispatched :

Date / Time: 3/14/02 / 4:30pm Received:
Date / Time: Carrier:

I hereby authorize the performance of the above indicated tests.
[signature]

Date / Time: 3-14-02 / 5:15pm Received by lab: R. Taylor

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CTELCCR.DOC

Mar 25 02 05:41p Tank Specialists 909 590 5417 p.5

Item 3.

October 16, 2002

Mr. Ron DiFelice
Armtec Defense Products, Inc.
85-901 Avenue 53
Coachella, CA 92236

Subject: Draft Xylene UST Closure Report
Armtec Facility
Coachella, California
URS Project No. 27644524.00004

Dear Mr. DeFelice:

URS Corporation (URS) is pleased to provide Armtec Defense Products (Armtec) this draft report summarizing the results of closure activities for a former xylene underground storage tank (UST) located at the Armtec facility at 85-901 Avenue 53 in Coachella, California (the site, Figure 1). Our services were conducted in general accordance with the scope of work as outlined in our proposals dated May 1 and June 14, 2002.

BACKGROUND

URS understands that the xylene UST was installed in September 1985 and has not been used since December 2001. The UST passed integrity testing conducted in February 2002, but the piping system failed. As a result, Armtec contracted Advanced GeoEnvironmental, Inc. (AGI) to remove approximately 230 feet of underground piping (delivery and return piping) between the xylene UST and Building 6 in March 2002.

The results of AGI's investigation are summarized in their March 21, 2002 report titled "Soil Sampling Related to Product Piping Removal – Armtec Defense Products Company, 85-901 Avenue 53, Coachella, California." According to the AGI report, the former piping was reportedly installed in a trench ranging in depth from a few inches to about two feet below ground surface (bgs). On March 14, 2002, AGI collected 15 soil samples from the former piping trench and the north end of the UST under the direction of an inspector from the Riverside County Department of Environmental Health (DEH). The AGI report indicated that soil samples along the piping trench were collected at depths of approximately 2 feet below pipe joint unions. In addition, a trench was excavated at the north end of the UST to an approximate depth of 9 feet bgs. The soil samples collected by AGI were analyzed for benzene, toluene, ethylbenzene, xylene (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8021. According to the AGI report, none of the 15 soil

File: Armtec 7A3320050 12

samples collected contained detectable concentrations of benzene (<0.005 mg/kg), toluene (<0.005 mg/kg), or MTBE (<0.01 mg/kg). Three of the 11 soil samples collected at depths ranging from 4 to 9 feet bgs located within a distance of 5 feet of the north end of the UST contained ethylbenzene at concentrations ranging from 0.70 to 66 mg/kg, and total xylenes at concentrations ranging from 5 to 520 mg/kg. In addition, one soil sample collected at a depth of two feet bgs at the south side of Building 6 where the former piping entered Building 6 contained 0.013 mg/kg total xylenes.

Based on their field observations and analytical results, AGI concluded that soil containing xylenes was in contact with groundwater on the north side of the UST, and that additional investigation was needed to further evaluate the extent of xylenes in soil and the presence of xylenes in shallow groundwater near the UST. Armtec indicated to URS that it was directed by the Colorado River Regional Water Quality Control Board (RWQCB) to investigate the extent of soil containing xylenes, remove the affected soil, and provide a report of the results to the RWQCB.

In May 2002, Armtec contracted URS to conduct additional investigation in the vicinity of the xylene UST to further evaluate the lateral and vertical extent of xylenes in soil. The results of soil and groundwater characterization activities conducted by URS are summarized in our July 30, 2002 report titled " Report of Subsurface Evaluation, Underground Xylene Tank, Armtec Facility, Coachella, California." Nine soil borings were advanced to an approximate depth of 9 feet (the approximate depth at which groundwater was encountered during the AGI investigation) on the perimeter of a concrete slab lying at the ground surface above the UST. Eighteen soil samples collected by URS (two samples from each of the nine soil borings) were analyzed for BTEX by EPA Method 8260B. The soil samples selected for analysis contained total xylenes at concentrations ranging from <0.002 to 7,380 mg/kg, ethylbenzene at concentrations ranging from <0.002 to 516 mg/kg, and toluene at concentrations ranging from <0.002 to 30.6 mg/kg. Five of the soil samples analyzed contained total xylenes at concentrations exceeding the US Environmental Protection Agency Region IX (USEPA) Preliminary Remediation Goal (PRG) of 210 mg/kg for soil at industrial properties, and three of the soil samples analyzed contained ethylbenzene at concentrations exceeding its PRG of 230 mg/kg for soil at industrial properties. However, none of the soil samples analyzed contained detectable concentrations of benzene or MTBE. It should be noted that the PRGs for xylenes and ethylbenzene in soil at industrial sites are the same as for residential sites.

Based on the results of the May 2002 investigation conducted by URS, soil samples collected on the perimeter of the UST contained elevated concentrations of xylenes. In June 2002 at Armtec's request, URS further evaluated the extent of xylene-affected soil and

the possible impacts to groundwater. Seventeen additional soil borings were advanced around the perimeter of the concrete slab covering the UST to an approximate depth of 9 feet bgs. URS also advanced seven additional borings to an approximate depth of 11 feet bgs in the vicinity (within approximately 6 to 20 feet) of the xylene UST to facilitate collection of groundwater samples using a Hydropunch™ sampling device. The approximate locations of the borings advanced by URS are presented on Figures 2, 3 and 4.

An additional 39 soil samples selected for analysis from the June 2002 investigation were found to contain total xylenes at concentrations ranging from <0.010 to 5,500 mg/kg (5 of the 39 soil samples contained total xylenes at concentrations exceeding the PRG), ethylbenzene at concentrations ranging from <0.005 to 810 mg/kg (4 of the 39 soil samples contained ethylbenzene at concentrations exceeding the PRG), and toluene at concentrations ranging from <0.005 to 0.015 mg/kg (none of the 39 soil samples contained toluene at concentrations exceeding the PRG). Benzene was not detected in any of the 39 soil samples analyzed, and MTBE was only detected in two soil samples at concentrations of 0.032 and 0.140 mg/kg.

Seven groundwater samples collected in June 2002 contained total xylenes at concentrations ranging from 0.023 to 6,260 mg/l, and ethylbenzene at concentrations ranging from 0.0029 to 1,050 mg/l. Two groundwater samples contained 0.077 and 11.8 mg/l toluene. None on the groundwater samples contained detectable concentrations of benzene or MTBE. Locations of the borings where groundwater samples were collected are highlighted on Figure 4.

Based on the results of investigations conducted at the site, URS concluded that soil with concentrations of total xylenes and ethylbenzene exceeding the industrial PRG were present in the immediate vicinity of the UST at depths greater than 4.5 feet bgs to extending below the level of groundwater. The distribution of xylene concentrations in soil at 6 feet bgs is presented on Figure 2, and the distribution of xylenes in soil at 8 to 9 feet bgs (at the level of groundwater) is presented on Figure 3. Based on the analytical results, URS estimated that approximately 150 cubic yards of soil may contain xylenes and ethylbenzene at levels above their respective PRGs. URS also concluded that groundwater with concentrations of total xylenes, ethylbenzene and toluene exceeding their respective MCLs and PRGs is limited to the immediate vicinity of the UST. Additionally, concentrations attenuate rapidly to less than 1 mg/L at distances greater than 12 feet from the perimeter of the UST (Figure 4).

Based on the results of soil and groundwater sampling conducted in the vicinity of the xylene UST, URS recommended that Armtec remove the UST.

UST CLOSURE ACTIVITIES

In September 2002, Armtec contracted Tank Specialists of California (TSC) to remove the xylene UST. In preparation for removal of the UST, TSC demolished the concrete slab and removed overburden soil to facilitate UST removal. Concrete debris and "clean" overburden soil were segregated and stockpiled onsite. On September 10, 2002, TSC removed the UST under the direction of DEH Inspector Joe Ainsworth. A copy of the certificate of closure for the UST is included as Attachment A.

On September 12, 2002, URS provided excavation oversight and collected confirmation soil samples from the sidewalls and floor of the excavation. Using a backhoe, TSC excavated soil to an approximate depth of 6 inches above groundwater (present at 8 to 9 feet bgs) until visual indications (such as staining) and soil screening (headspace readings) indicated that xylene concentrations were less than 1 mg/kg. Headspace screening and workspace air monitoring were performed by URS using a photoionization (PID) meter. Excavated soil was placed onto and covered with plastic sheeting until it was loaded for offsite transportation under non-hazardous manifest on _____, 2002. Copies of the non-hazardous soil manifests are included in Attachment B.

Confirmation soil samples were collected at the approximate locations indicated on Figure 5. Sixteen excavation sidewall confirmation samples (eight at an approximate depth of 3 to 4 feet bgs, and eight at an approximate depth of 6 to 7 feet bgs) were collected from the perimeter of the UST excavation cavity. In addition, four soil samples were collected at an approximate depth of 8 feet bgs, just above the level of standing groundwater in the center of the excavation. The approximate lateral extent of the area excavated is shown on Figure 5.

Soil collected during confirmation sampling was placed into laboratory-supplied glass jars, sealed with teflon-lined caps, labeled and analyzed by HP Labs of Solana Beach, California in an onsite State-certified mobile laboratory (CERT #1746). Soil samples were handled in accordance with chain-of-custody procedures. Copies of the analytical laboratory reports are included in Attachment C.

After removal of the UST a "sheen" of xylene product was noted on the water table surface in the open excavation. In an attempt to remove the sheen of xylene observed on groundwater, Armtec contracted with Hazardous Waste Transportation Services (HTS) to evacuate groundwater from the excavation. On six separate occasions (September 17, 20, 23, 26, and October 2 and 8, 2002) a vacuum truck was used to remove approximately 26,164 gallons (ranging from approximately 3,439 to 5,000 gallons per event) of groundwater from the excavation. The initial load of xylene-containing groundwater was

transported by HTS to Onyx Environmental in Azusa, California under uniform hazardous waste manifest for disposal. However, characterization of the liquid waste at Onyx Environmental indicated that the xylene-containing groundwater was non-hazardous. Therefore, the remaining five loads of xylene-containing groundwater were transported by HTS to K-Pure Waterworks in Rancho Cucamonga, California under non-hazardous waste manifest for disposal. Copies of the manifests for groundwater pumped from the excavation are included in Attachment B.

Prior to and following evacuating groundwater from the excavation, Armtec collected groundwater samples in laboratory-supplied containers that were sealed, labeled, and transported in an insulated cooler with ice under chain-of-custody procedures to American Scientific Laboratories (ASL) in Los Angeles, California for analysis. Copies of the ASL laboratory reports are included in Attachment C.

DISCUSSION

Soil Conditions

Soil encountered in the in the upper 9 feet in the vicinity of the former xylene UST generally consists of silt, sandy silt, and silty sand. Copies of boring logs are included in the July 2002 URS report. Final confirmation soil sample results for sidewall samples indicate that residual xylene concentrations in soil surrounding the former UST are less than 0.5 mg/kg. Bottom confirmation samples (Bottom-01 through Bottom-04) collected at a depth just above the water table contained xylenes at concentrations ranging from 0.97 to 210 mg/kg. Based on the concentrations in the four bottom confirmation soil samples, Armtec contracted TSC to excavate additional soil on September 12, 2002, to an approximate depth of two- to three feet below the level of groundwater (about 11 feet bgs) in the vicinity of the samples containing more than 1 mg/kg xylene. Because the depth of excavation extended below groundwater, additional confirmation soil samples were not collected from the bottom of the excavation after removal of soil containing xylenes at concentrations greater than 1 mg/kg.

The USEPA Region IX PRG for total xylenes in soil at industrial sites is 210 mg/kg. As demonstrated on Figure 5, none of the 20 soil samples collected from the final excavation cavity contained xylene concentrations exceeding the PRG. Furthermore, for areas on the excavation floor where total xylene concentrations exceeded 1 mg/kg, Armtec excavated additional soil to an approximate depth of 11 feet bgs to remove soil containing total xylene concentrations greater than 1 mg/kg. The 20 confirmation soil samples contained ethylbenzene at concentrations ranging from 0.006 to 28 mg/kg, significantly below the PRG for ethylbenzene in soil at industrial properties (230 mg/kg). None of the sidewall confirmation samples contained

detectable concentrations of toluene or benzene. Two of the four bottom confirmation soil samples contained benzene at concentrations of 0.007 and 0.011 mg/kg, and toluene at concentrations of 0.006 and 0.14 mg/kg. The PRG for benzene in soil at industrial properties is 1.5 mg/kg. The PRG for toluene in soil at industrial properties is 520 mg/kg.

Groundwater Conditions

The facility lies within the Indio Hydrologic Subarea of the Coachella Hydrologic Area. The groundwater within the Coachella Hydrologic Area (referred to as the Coachella Hydrologic Subunit, Area Code No. 719.40 in the 1994 Basin Plan) has been designated by the RWQCB as having existing beneficial uses for municipal (MUN), industrial (IND) and agricultural (AGR) supplies. As indicated on Table 2-5 of the Basin Plan, the beneficial use designation for municipal supply indicates that at least one of the aquifers within the basin supports a municipal beneficial use, but does not necessarily apply to all groundwater within the basin. A semi-perched unconfined aquifer is present at an approximate depth of 8 to 9 feet bgs beneath the former xylene UST. However, groundwater in the semi-perched unconfined aquifer is considered to be of poor quality and it is not presently used for municipal or agricultural supply. According to the RWQCB, a deeper confined aquifer is separated from the upper semi-perched confined aquifer by a clay aquitard. The top of the uppermost confined aquifer is located at an approximate depth of 200 feet bgs in the vicinity of the site. Regional groundwater flow in the shallow semi-perched aquifer is toward the southeast, and groundwater monitoring conducted in six monitoring wells at the site also indicates a southeasterly flow direction.

Groundwater was typically encountered in the Hydropunch borings at depths ranging from 8.5 to 9 feet bgs, and standing groundwater was observed in the excavation after removal of the UST at an approximate depth of 9 feet bgs. During groundwater pumping from the open excavation, Armtec personnel reported that the depth to groundwater would be temporarily reduced to an approximate depth of 11 feet bgs at the conclusion of pumping, and would slowly recover to about 9 feet bgs after a period of approximately 24 hours. Armtec personnel also indicated that after the initial groundwater pumping event that the sheen was no longer observed.

The U.S. EPA Region IX PRG (for tap water) for total xylenes in groundwater is 1.4 mg/l. The State of California Maximum Contaminant Level (MCL) for total xylenes in drinking water is 1.75 mg/l. As indicated on Figure 4, only three of the seven Hydropunch groundwater samples (XHP-01, -02 and -03) collected in June 2002 contained total xylenes at concentrations exceeding the PRG. Figure 4 also demonstrates that xylene concentrations exceeding the PRG or MCL are limited to a relatively small area immediately surrounding the UST. Groundwater samples that were collected upgradient (XHP-06) and downgradient

(XHP-04, -05 and -07) of the UST contained xylene concentrations significantly lower than the PRG or MCL.

Groundwater remediation activities conducted by Armtec have involved pumping the standing groundwater out of the former UST excavation on six separate occasions between September 17, 2002 and October 8, 2002. During this period approximately 26,164 gallons of xylene-containing groundwater have been removed and transported offsite for disposal. Groundwater samples collected from the excavation following each pumping event demonstrate that total xylene concentrations have decreased appreciably from 7.48 mg/l total xylenes after the initial pumping event on September 16, 2002, to 4.56 mg/l (approximately 2.5-times the MCL for drinking water) after the fifth pumping event conducted on October 2, 2002.

Ongoing groundwater monitoring conducted by URS since 2001 indicates a southeasterly groundwater flow direction across the site. Groundwater samples collected from monitoring wells installed around the site perimeter (see Figure 1), during three groundwater monitoring events have not contained detectable concentrations of xylenes or any other BTEX constituent. Tile-drain water sampling was also conducted by URS for the facility during the 2001 groundwater assessment. A water sample collected from a downgradient sampling port in February 2001 for a tile-line which passes approximately 50 feet south of the former UST did not contain detectable concentrations of xylenes or any other VOC.

The results of these previous investigations, ongoing groundwater monitoring and the xylene concentrations in downgradient Hydropunch™ borings XHP-04, XHP-05, and XHP-07 further demonstrate that groundwater containing concentrations of xylenes above the PRG for tap water and MCL for drinking water is limited to the immediate vicinity of the UST and has not migrated more than 20 feet downgradient from the former UST, or offsite.

CONCLUSIONS

Based on the results of the March 2002 AGI investigation, soil and groundwater investigations performed at the site by URS in May and June 2002, and UST closure activities conducted in September and October 2002, we conclude the following:

- Soil borings advanced around the perimeter of the former UST (refer to Figures 2 and 3) demonstrate that the lateral extent of affected soil has been adequately characterized. Soil with concentrations of total xylenes and ethylbenzene exceeding the residential/industrial PRGs in the immediate vicinity of the UST were removed during UST closure activities conducted in September 2002 (refer to Figure 4).

- Soil containing total xylenes at concentrations greater than 1 mg/kg in the vicinity of the former UST have been removed to a depth extending two to three feet below the level of groundwater. Therefore, additional soil excavation or remediation is not warranted.

- Groundwater sampling around the UST and ongoing groundwater monitoring at the site suggests the plume of dissolved xylene and ethybenzene appears stable and localized to the immediate vicinity of the former UST.

- Groundwater remediation activities performed by Armtec in September and October 2002 have resulted in the extraction of more than 26,000 gallons of contaminated groundwater and significant reduction of xylene concentrations in groundwater to slightly more than twice the PRG and MCL.

- Groundwater in the shallow semi-perched aquifer is of poor quality due to impacts from active regional agricultural activities and surface water-infiltration in the region and is not currently used for drinking water. Furthermore, groundwater in the shallow semi-perched aquifer is not likely to be used for drinking water or any other beneficial use in the future.

- Low-permeability silts and clays present in the upper 200 feet of soil beneath the site have effectively limited the lateral migration of xylene-containing groundwater, and will continue to effectively control the migration of relatively low concentrations of residual contaminants in the future.

- Relatively low residual concentrations of xylenes and ethylbenzene the shallow semi-perched aquifer are limited to the immediate vicinity of the former UST and do not pose a significant threat to human health or deeper aquifers present at depths greater than 200 feet bgs or a significant degradation of shallow semi-perched groundwater quality.

RECOMMENDATIONS

The source of the release and affected soil with xylene concentrations exceeding 1 mg/kg have been removed. Armtec has extracted more than 26,000 gallons of groundwater containing xylenes, ethylbenzene and toluene. Residual groundwater concentrations of these constituents are approximately 2.5-times the drinking water MCL and tap water PRGs for a shallow semi-perched aquifer of poor quality that is not currently used for drinking water, and will not likely be used for drinking water in the future. Therefore, URS recommends:

- Allowing residual concentrations of total xylenes (and ethylbenzene) in soil and groundwater in a relatively small area surrounding the UST to naturally attenuate.

Considering the current and future site usage (industrial), poor water quality in the shallow semi-perched aquifer beneath the site, and the results of URS' investigations and UST closure activities which demonstrate the extent of the release is localized, URS believes natural attenuation is the most practical and feasible method of remediating the residual contaminant concentrations. Active remedial alternatives (such as pump and treat, vapor extraction or dual-phase extraction) are typically implemented at sites involving much larger areas of more significant contamination, and would be impractical for a small release such as is present at the Armtec site.

- Using the existing monitoring well network at the site and ongoing groundwater monitoring (which includes analyses for volatile organic compounds including BTEX) data to monitor for the presence of BTEX in groundwater at the site, especially at the downgradient property boundary.

- Replacing the former xylene UST with an aboveground xylene tank (AST) in an aboveground concrete containment structure with aboveground piping to the buildings at the site. An AST in aboveground containment with aboveground piping would effectively eliminate the future potential for soil and groundwater impacts associated with a UST.

- Requesting closure, or a "no further action required" letter from the RWQCB based on the closure activities conducted to date, and concurrence that natural attenuation is an appropriate remedial method to address low concentrations of residual contamination resulting from the former UST.

URS recommends providing a copy of this letter report to the RWQCB for review, and meeting with RWQCB staff to discuss the UST closure activities and our rationale for requesting "no further action." We appreciate the opportunity to provide ongoing assistance to Armtec, and we look forward to continuing to work with you in the future. If you have any questions, please give us a call.

Sincerely,

URS CORPORATION

Norbert J. Schulz
Site Assessment and
Remediation Division Manager

Veryl Wittig, RG, CHG
Project Manager

NJS/VW:lej

Table 1
Armtec Defense Products
Coachella, CA
Summary of Confirmation Soil Sample Analytical Results
Xylene UST Closure

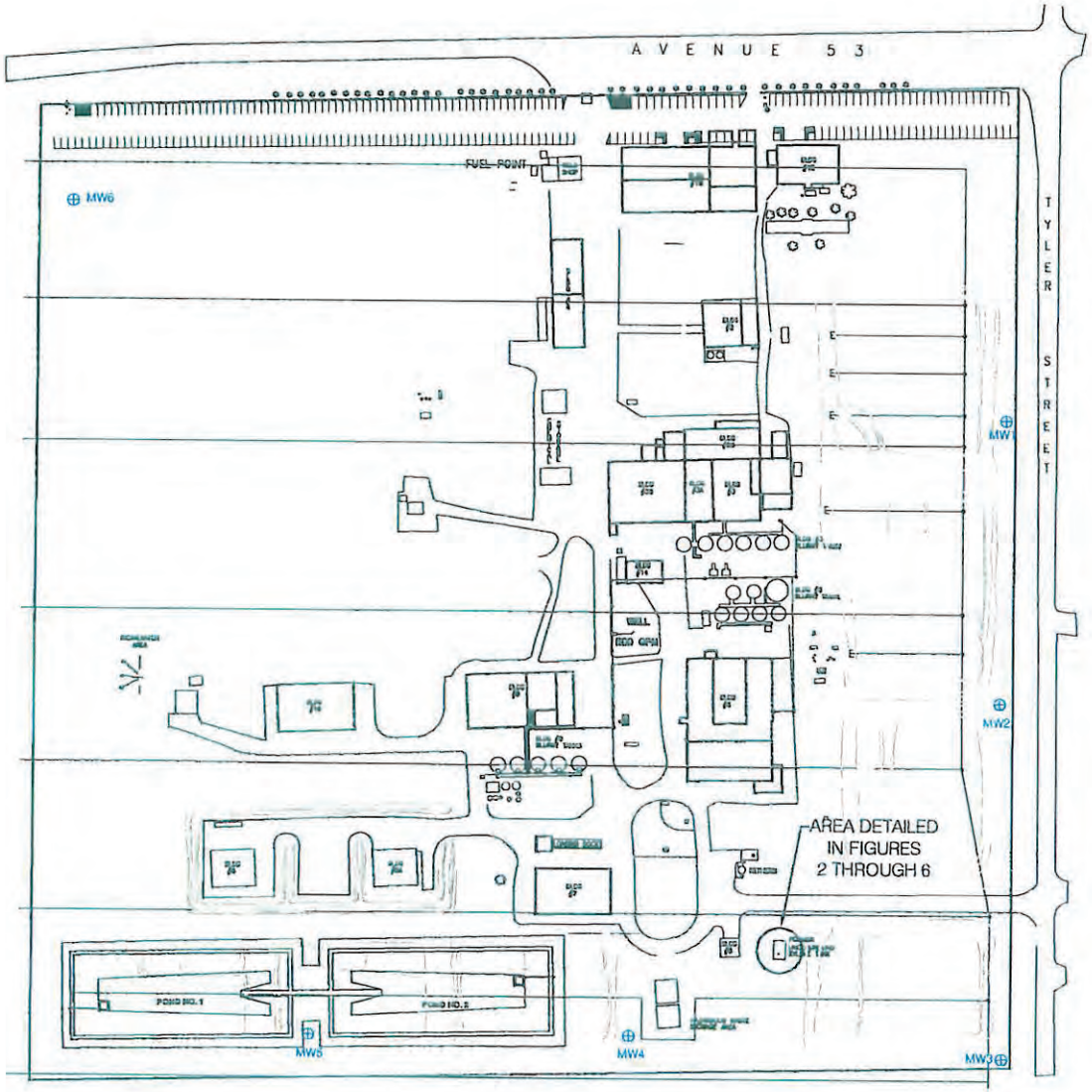
Sample ID	Sample Depth (feet, bgs)	Date Collected	Analyses [a]			
			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (total) (mg/kg)
EAST-01-06	6-7	9/12/02	<0.010	<0.050	0.023	0.071
EAST-02-03	3-4	9/12/02	<0.010	<0.050	0.023	0.13
WEST-01-06	6-7	9/12/02	<0.010	<0.050	0.015	0.068
WEST-02-03	3-4	9/12/02	<0.010	<0.050	0.023	0.048
EAST-03-06	6-7	9/12/02	<0.010	<0.050	0.019	0.044
EAST04-03	3-4	9/12/02	<0.010	<0.050	0.013	0.085
SOUTH-01-03	3-4	9/12/02	<0.010	<0.050	0.006	0.047
SOUTH-02-06	6-7	9/12/02	<0.010	<0.050	0.006	0.059
SOUTH-03-03	3-4	9/12/02	<0.010	<0.050	0.068	0.28
SOUTH-04-06	6-7	9/12/02	<0.010	<0.050	0.02	0.056
WEST-03-03	3-4	9/12/02	<0.010	<0.050	0.011	0.067
WEST-04-06	6-7	9/12/02	<0.010	<0.050	0.012	0.047
NORTH-01-03	3-4	9/12/02	<0.010	<0.050	0.007	0.077
NORTH-02-06	6-7	9/12/02	<0.010	<0.050	0.011	0.075
NORTH-03-03	3-4	9/12/02	<0.010	<0.050	0.01	0.11
NORTH-04-03	3-4	9/12/02	<0.010	<0.050	0.011	0.041
BOTTOM-01-08	8-9	9/12/02	0.007	0.006	0.77	12 [b]
BOTTOM-02-08	8-9	9/12/02	<0.050	<0.050	0.056	0.97
BOTTOM-03-08	8-9	9/12/02	<0.050	<0.050	0.23	1.2 [b]
BOTTOM-04-08	8-9	9/12/02	0.011	0.14	28	210 [b]
Preliminary Remediation Goals (PRGs) -Industrial			1.5	520	230	210

Notes:

a: Volatile aromatic hydrocarbons (BTEX) by EPA Method 8021B.

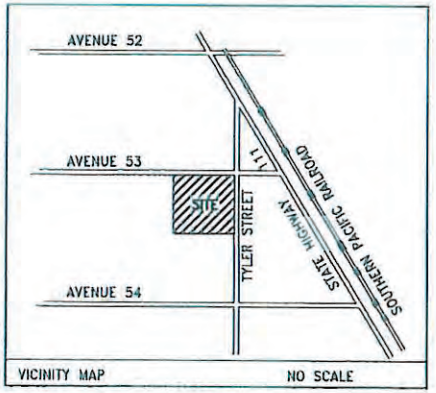
b: Additional soil was excavated to an approximate depth of 11 feet bgs from the bottom of the tank excavation in these areas. Because the depth of excavation extended below the water table, collection of confirmation soil samples was not possible.

The symbol "<" (less than) indicates that the constiuent was not detected in the samples at the specified reporting limit.



LEGEND

MW6 ⊕ INDICATES APPROXIMATE LOCATION OF MONITORING WELL INSTALLED BY URS IN MARCH 2001



SITE PLAN AND VICINITY MAP
ARMTEC DEFENSE PRODUCTS

URS

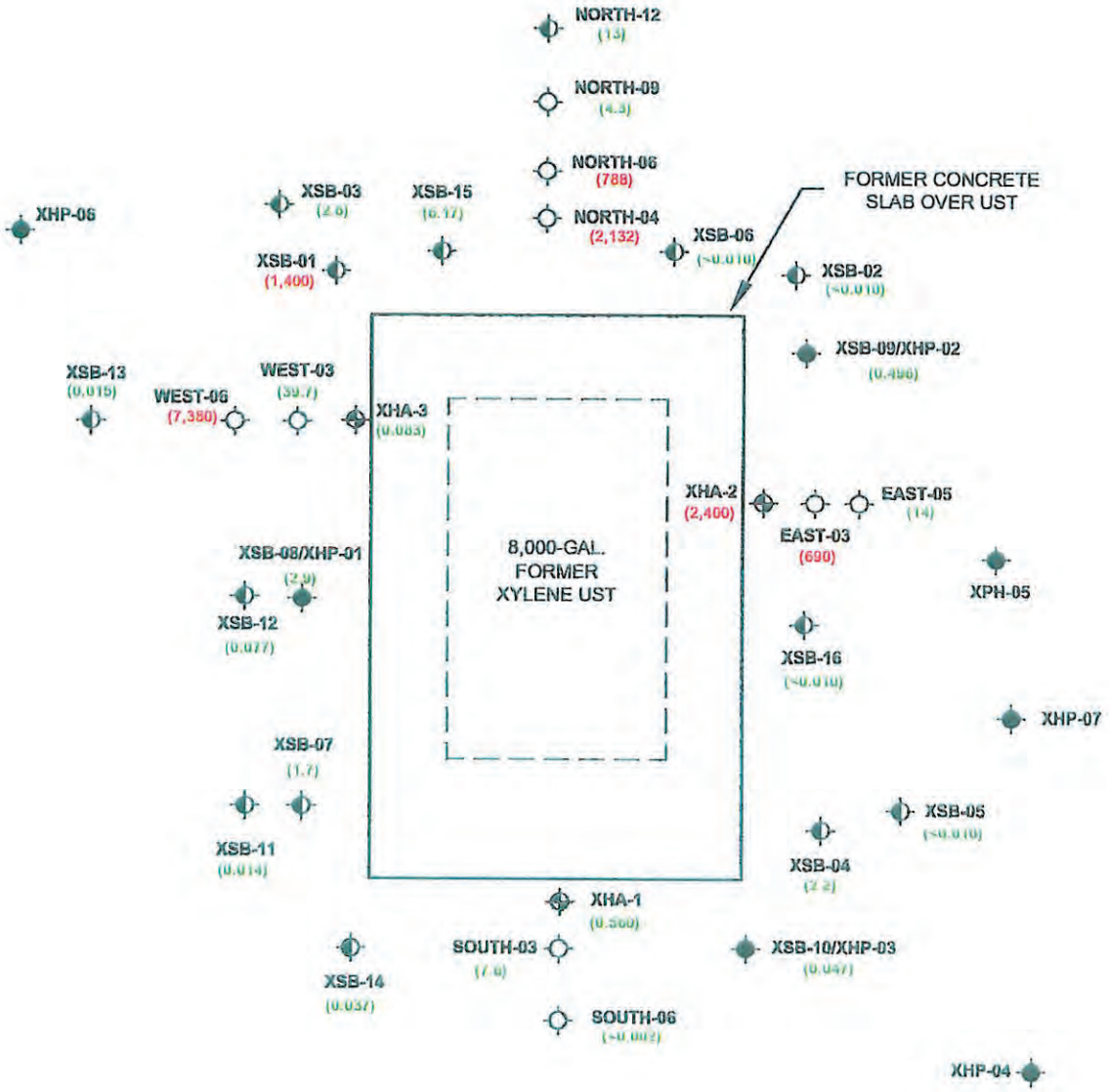
125 0 125 250 Feet
SCALE: 1"= 250'

CHECKED BY:
PM: VW
DATE: 10-04-02
PROJ. NO: 27644524.00004
FIG. 1

933

Item 3.

x:\27644525\ARMTEC-SITE-VIC.DWG



LEGEND

- INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH SOIL BORING ADVANCED BY URS IN MAY 2002
- INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH HYDROPUNCH BORING ADVANCED BY URS IN JUNE 2002
- INDICATES APPROXIMATE LOCATION OF ANGLED HAND AUGER BORING ADVANCED BY URS IN JUNE 2002
- INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH SOIL BORING ADVANCED BY URS IN JUNE 2001

NOTE:
SOIL SAMPLES COLLECTED FROM 5.5 TO 6 FEET BGS. XYLENE CONCENTRATIONS (LISTED IN mg/kg) IN RED EXCEED THE USEPA REGION IX INDUSTRIAL PRG (210 mg/kg)

XYLENE CONCENTRATIONS IN SOIL- 6 FEET
SOIL AND GROUNDWATER CHARACTERIZATION - MAY-JUNE 2002
ARMTEC DEFENSE PRODUCTS

URS

4 0 4 8 Feet
SCALE: 1"= 8'

CHECKED BY:	DATE: 10–09–02	FIG. NO.
PM: VW	PROJ. NO: 27644524.00004	2

x:\27644524\armtec–xylene–soil.dwg



LEGEND

- INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH SOIL BORING ADVANCED BY URS IN MAY 2002
- INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH HYDROPUNCH BORING ADVANCED BY URS IN JUNE 2002
- INDICATES APPROXIMATE LOCATION OF ANGLED HAND AUGER BORING ADVANCED BY URS IN JUNE 2002
- INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH SOIL BORING ADVANCED BY URS IN JUNE 2001

NOTE:
SOIL SAMPLES COLLECTED FROM 8.0 TO 9.0 FEET BGS. XYLENE CONCENTRATIONS (LISTED IN mg/kg) IN RED EXCEED THE USEPA REGION IX INDUSTRIAL PRG (210 mg/kg)

XYLENE CONCENTRATIONS IN SOIL - 8 TO 9 FEET
SOIL AND GROUNDWATER CHARACTERIZATION - MAY-JUNE 2002
ARMTEC DEFENSE PRODUCTS

URS

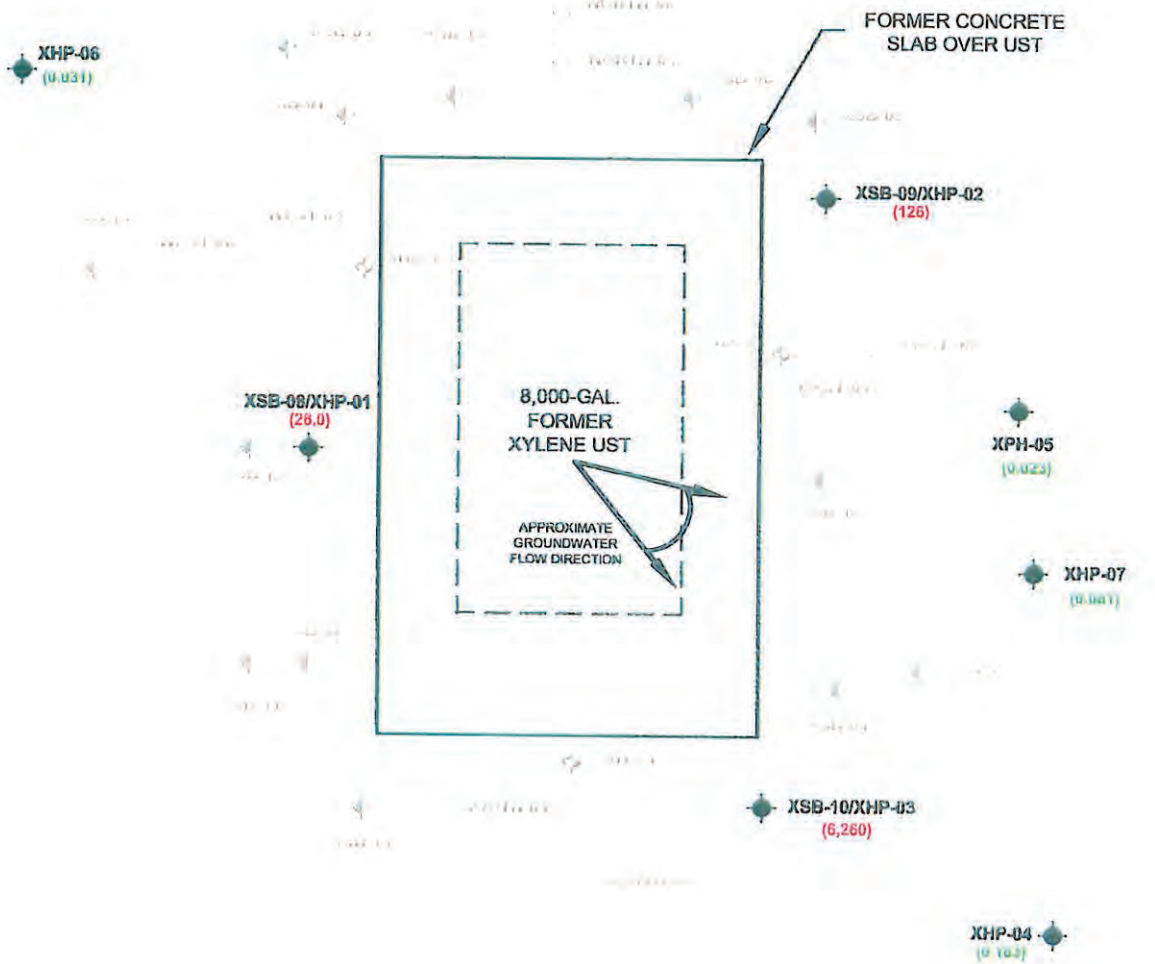
4 0 4 8 Feet
SCALE: 1"= 8'

CHECKED BY:	DATE: 10–09–02	FIG. NO
PM: VW	PROJ. NO: 27644524.00004	3

935

Item 3.

x:\27644524\armtec–xylene–soil2.dwg



LEGEND

INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH SOIL BORING ADVANCED BY URS IN MAY 2002

INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH HYDROPUNCH BORING ADVANCED BY URS IN JUNE 2002

INDICATES APPROXIMATE LOCATION OF ANGLED HAND AUGER BORING ADVANCED BY URS IN JUNE 2002

INDICATES APPROXIMATE LOCATION OF DIRECT–PUSH SOIL BORING ADVANCED BY URS IN JUNE 2001

NOTE:
HYDROPUNCH GROUNDWATER SAMPLE COLLECTED OVER THE INTERVAL FROM 8.0 TO 11.0 FEET BGS (GROUNDWATER ENCOUNTERED AT APPROXIMATELY 9.0 FEET BGS NEAR THE UST). XYLENE CONCENTRATIONS (LISTED IN mg/L) IN RED EXCEED THE MAXIMUM CONTAMINANT LEVEL FOR DRINKING WATER (1.75 mg/L) AND THE USEPA REGION IX PRG FOR TAP WATER (1.4 mg/L).

XYLENE CONCENTRATIONS IN GROUNDWATER - 8 TO 9 FEET
SOIL AND GROUNDWATER CHARACTERIZATION - MAY-JUNE 2002
ARMTEC DEFENSE PRODUCTS

URS

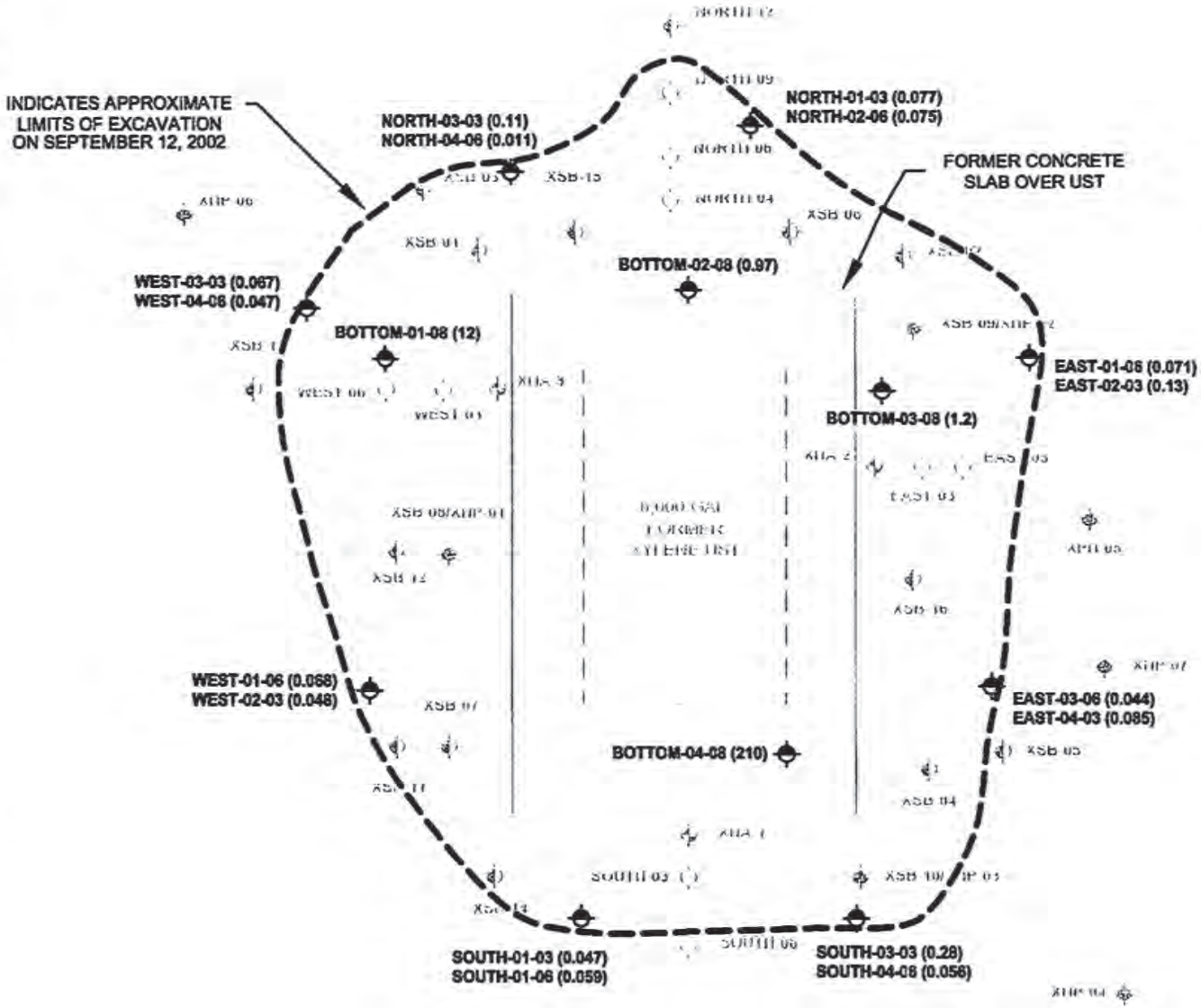
4 0 4 8 Feet
SCALE: 1"= 8'

CHECKED BY:	DATE: 10–09–02	FIG. N
PM: VW	PROJ. NO: 27644524.00004	4

936

x:\27644524\armtec–xylene–soil3.dwg

Item 3.



CONFIRMATION SOIL SAMPLE LOCATION MAP
FORMER XYLENE UST
ARMTEC DEFENSE PRODUCTS

URS	4 0 4 8 Feet SCALE: 1"= 8'	CHECKED BY:	DATE: 10-09-02	FIG. 5
		PM: VW	PROJ. NO: 27644524.00004	

937

Item 3.

x:\27644524\armtec-soil-confirm.dwg

Armtec to provide a copy for final report

ATTACHMENT B

Copies of Waste Manifests

Armtec to provide copies for final report

ATTACHMENT C Copies of Analytical Laboratory Reports

Armtec to provide copies of water sample lab reports for final report

September 20, 2002

Mr. Veryl Wittig
URS
1615 Murray Canyon Road
Suite 1000
San Diego, CA 92108

SUBJECT: DATA REPORT – ARMTECH – 85-901 AVENUE 53 – COACHELLA, CA – URS PROJECT #27644524

HP Labs Project # UR091202W2

Mr. Wittig:

Please find enclosed a data report for the above referenced location. Soil samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1746).

Project Summary

The following analyses were conducted:

- 27 soils for volatile aromatic hydrocarbons (BTEX) by EPA Method 8021B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria.

HP Labs appreciates the opportunity to provide analytical services to URS on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Dwayne Hardman, for
Ms. Tamara Davis
Lab Director

URS PROJECT #27644524
ARMTEC
85-901 AVENUE 53
COACHELLA, CA

HPL Project #UR091202W2

BTEX (EPA Method 8021B) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SURROGATE (%REC)
METHOD BLANK	9/12/02	ND	ND	ND	ND	99
SP-01	9/12/02	ND	1.8	400 **	2,200 **	89
SP-02	9/12/02	ND	0.24	69 *	690 *	106
SP-03	9/12/02	ND	0.29	98 **	900 **	97
SP-04	9/12/02	0.011	1.8	260 **	1,700 **	104
SP-05	9/12/02	ND	0.99	200 **	1,300 **	97
EAST-01-06	9/12/02	ND	ND	0.023	0.071	91
EAST-02-03	9/12/02	ND	ND	0.023	0.13	117
WEST-01-06	9/12/02	ND	ND	0.015	0.068	104
WEST-02-03	9/12/02	ND	ND	0.023	0.048	105
EAST-03-06	9/12/02	ND	ND	0.019	0.044	95
EAST-04-03	9/12/02	ND	ND	0.013	0.085	108
SOUTH-01-03	9/12/02	ND	ND	0.006	0.047	113
SOUTH-02-06	9/12/02	ND	ND	0.006	0.059	106
SOUTH-03-03	9/12/02	ND	ND	0.068	0.28	80
SOUTH-04-06	9/12/02	ND	ND	0.020	0.056	97
WEST-03-03	9/12/02	ND	ND	0.011	0.067	118
WEST-04-06	9/12/02	ND	ND	0.012	0.047	118
NORTH-01-03	9/12/02	ND	ND	0.007	0.077	108
NORTH-02-06	9/12/02	ND	ND	0.011	0.075	104
NORTH-03-03	9/12/02	ND	ND	0.010	0.11	116
NORTH-04-03	9/12/02	ND	ND	0.011	0.041	100
SP-05 DUP	9/12/02	ND	1.0	180 **	1,300 **	111
DETECTION LIMITS		0.010	0.050	0.050	0.050	65%-135%

* DETECTION LIMIT INCREASED 100 TIMES DUE TO DETECTOR RANGE INCREASE

** DETECTION LIMIT INCREASED 1,000 TIMES DUE TO DETECTOR RANGE INCREASE

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: MS. TAMARA DAVIS

URS PROJECT #27644524
ARMTEC
85-901 AVENUE 53
COACHELLA, CA

HPL Project #UR091202W2B

BTEX (EPA Method 8021B) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SURROGATE (%REC)
METHOD BLANK	9/13/02	ND	ND	ND	ND	104
SP-08	9/13/02	ND	ND	ND	0.039	112
SP-09	9/13/02	ND	ND	0.012	0.091	117
BOTTOM-01-08	9/13/02	0.007	0.006	0.77 **	12 **	105
BOTTOM-02-08	9/13/02	ND	ND	0.056	0.97	116
BOTTOM-03-08	9/13/02	ND	ND	0.23 *	1.2 *	113
BOTTOM-04-08	9/13/02	0.011	0.14	28 ***	210 ***	112
DETECTION LIMITS		0.050	0.050	0.050	0.050	65%-135%

* DETECTION LIMIT INCREASED 10 TIMES DUE TO DETECTOR RANGE INCREASE
** DETECTION LIMIT INCREASED 100 TIMES DUE TO DETECTOR RANGE INCREASE
*** DETECTION LIMIT INCREASED 1,000 TIMES DUE TO DETECTOR RANGE INCREASE
ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: MS. TAMARA DAVIS

QA/QC REPORT - CALIBRATION DATA

HPL Project #UR091202W2
DAILY CALIBRATION DATE : 09/12/02

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
BENZENE - PID1	0.01 - 10	NA	2/19/2002	456	14.7%	2,070	414.0	9.2%	2,180	436.0	4.4%
TOLUENE - PID1	0.01 - 10	NA	2/19/2002	323	6.0%	1,490	298.0	7.8%	1,610	322.0	0.4%
ETHYLBENZENE - PID1	0.01 - 10	NA	2/19/2002	252	8.0%	1,220	244.0	3.3%	1,380	276.0	9.4%
m&p-XYLENES - PID1	0.01 - 10	NA	2/19/2002	317	8.3%	1,470	294.0	7.1%	1,630	326.0	3.0%
o-XYLENES - PID1	0.01 - 10	NA	2/19/2002	242	10.7%	1,240	248.0	2.6%	1,310	262.0	8.4%
BENZENE - PID2	0.01 - 10	NA	2/19/2002	407	12.2%	1,970	394.0	3.1%	2,070	414.0	1.8%
TOLUENE - PID2	0.01 - 10	NA	2/19/2002	341	3.1%	1,580	316.0	7.3%	1,730	346.0	1.5%
ETHYLBENZENE - PID2	0.01 - 10	NA	2/19/2002	310	4.5%	1,440	288.0	7.1%	1,600	320.0	3.2%
m&p-XYLENES - PID2	0.01 - 10	NA	2/19/2002	343	3.4%	1,710	342.0	0.3%	1,810	362.0	5.5%
o-XYLENES - PID2	0.01 - 10	NA	2/19/2002	296	3.5%	1,420	284.0	4.1%	1,580	316.0	6.8%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED ON-SITE IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: MS. TAMARA DAVIS

QA/QC REPORT - CALIBRATION DATA

HPL Project #UR091202W2B
DAILY CALIBRATION DATE : 09/13/02

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
BENZENE - PID2	0.01 - 10	NA	2/19/2002	407	12.2%	2,100	420.0	3.3%	2,120	424.0	4.3%
TOLUENE - PID2	0.01 - 10	NA	2/19/2002	341	3.1%	1,750	350.0	2.7%	1,660	332.0	2.6%
ETHYLBENZENE - PID2	0.01 - 10	NA	2/19/2002	310	4.5%	1,610	322.0	3.9%	1,600	320.0	3.2%
m&p-XYLENES - PID2	0.01 - 10	NA	2/19/2002	343	3.4%	1,780	356.0	3.8%	1,750	350.0	2.0%
o-XYLENES - PID2	0.01 - 10	NA	2/19/2002	296	3.5%	1,580	316.0	6.8%	1,560	312.0	5.4%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: MS. TAMARA DAVIS

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 09/12/02
HPL Project #UR091202W2

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
BENZENE	1.00	0.990	99.0%	0.977	97.7%	1.3%	15%	80% - 106%
TOLUENE	1.00	0.957	95.7%	0.932	93.2%	2.6%	15%	75% - 108%
ETHYLBENZENE	1.00	0.982	98.2%	0.967	96.7%	1.5%	15%	77% - 110%
TOTAL XYLENES	2.00	1.990	99.5%	1.960	98.0%	1.5%	15%	80% - 109%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED ON-SITE IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: MS. TAMARA DAVIS

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 09/13/02
HPL Project #UR091202W2B

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
BENZENE	1.00	0.984	98.4%	0.847	84.7%	15.0%	15%	80% - 106%
TOLUENE	1.00	0.920	92.0%	0.813	81.3%	12.3%	15%	75% - 108%
ETHYLBENZENE	1.00	0.956	95.6%	0.826	82.6%	14.6%	15%	77% - 110%
TOTAL XYLENES	2.00	1.920	96.0%	1.740	87.0%	9.8%	15%	80% - 109%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: MS. TAMARA DAVIS

Chain of Custody Record

HP LABS

148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 9-12-02
HPL Project # URC091202W2
Outside Lab:

Client: URS
Address: 1615 MURRAY CANYON RD. PLAZA 3 STE 1000 SAN DIEGO CA 92108
Phone: (619) 294-9400 Fax: (619) 293-7920

Collector: GUS THRASHER Page: 1 Of 2
Client Project # Project Manager KARYL WITTIG
Location: 85-901 AVENUE 53 COACHELLA
Turn around time:

Notes:

Sample	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOCs	8260B: VOCs and Oxygenates	Methane	Fixed Gases	Total # of containers
SP-01	–		9-12	SOIL	GLASS JAR			X									1
SP-02								X									1
SP-03								X									1
SP-04								X									1
SP-05								X									1
~~West~~-01-06								X									1
~~East~~-02-03								X									1
West-01-06								X									1
West-02-03								X									1
East-03-06								X									1
East-04-03								X									1
South-01-03								X									1
South-02-06								X									1
South-03-03								X									1

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)
Field Notes

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company) HP LABS	Date: 9-12-02 Time: 1630
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

948

Item 3.

Chain of Custody Record

HP LABS

148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 9-12-02
HPL Project # URG912002W2
Outside Lab:

Client: URS
Address: 1615 MURRAY CANYON RD. PLAZA 3 STE 1000 SAN DIEGO CA. 92108
Phone: (619) 294-9400 Fax: (619) 293-7920

Collector: GUS
Client Project #
Location: COACHELLA

Page: 2 Of 2
Project Manager VIRGIL WESTRE
Turn around time:

Notes:

Sample	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOCs	8260B: VOCs and Oxygenates	Methane	Fixed Gases	Total # of con
SOUTH-04-06			9/12	SOIL	GLASS JAR			X									1
West-03-03								X									1
West-04-06								X									1
NORTH-01-03								X									1
NORTH-02-06								X									1
NORTH-03-03								X									1
NORTH-04-06								X									1
SP-08								X									1
SP-09								X									1
BOTTOM-01-08								X									1
BOTTOM-02-08								X									1
BOTTOM-03-08								X									1
BOTTOM-04-08								X									1

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)
Field Notes

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company) HP LABS	Date: 9-12-02 Time: 1630
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

949

Item 3.

APPENDIX E

THE EDR AERIAL PHOTO DECADE PACKAGE

85901 AVENUE 53

85901 AVENUE 53

COACHELLA, CA 92236

Inquiry Number: 7682206.11

June 14, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/1

Site Name:

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236
EDR Inquiry # 7682206.11

Client Name:

Northgate Env. Management, Inc.
92 Argonaut
Aliso Viejo, CA 92656
Contact: Jacob Lacy

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1996	1"=500'	Acquisition Date: June 21, 1996	USGS/DOQQ
1984	1"=500'	Flight Date: August 24, 1984	USDA
1975	1"=500'	Flight Date: October 13, 1975	USGS
1972	1"=500'	Flight Date: August 17, 1972	USDA
1965	1"=500'	Flight Date: August 31, 1965	USGS
1959	1"=500'	Flight Date: September 06, 1959	USDA
1953	1"=500'	Flight Date: October 27, 1953	USDA
1949	1"=500'	Flight Date: February 15, 1949	USDA

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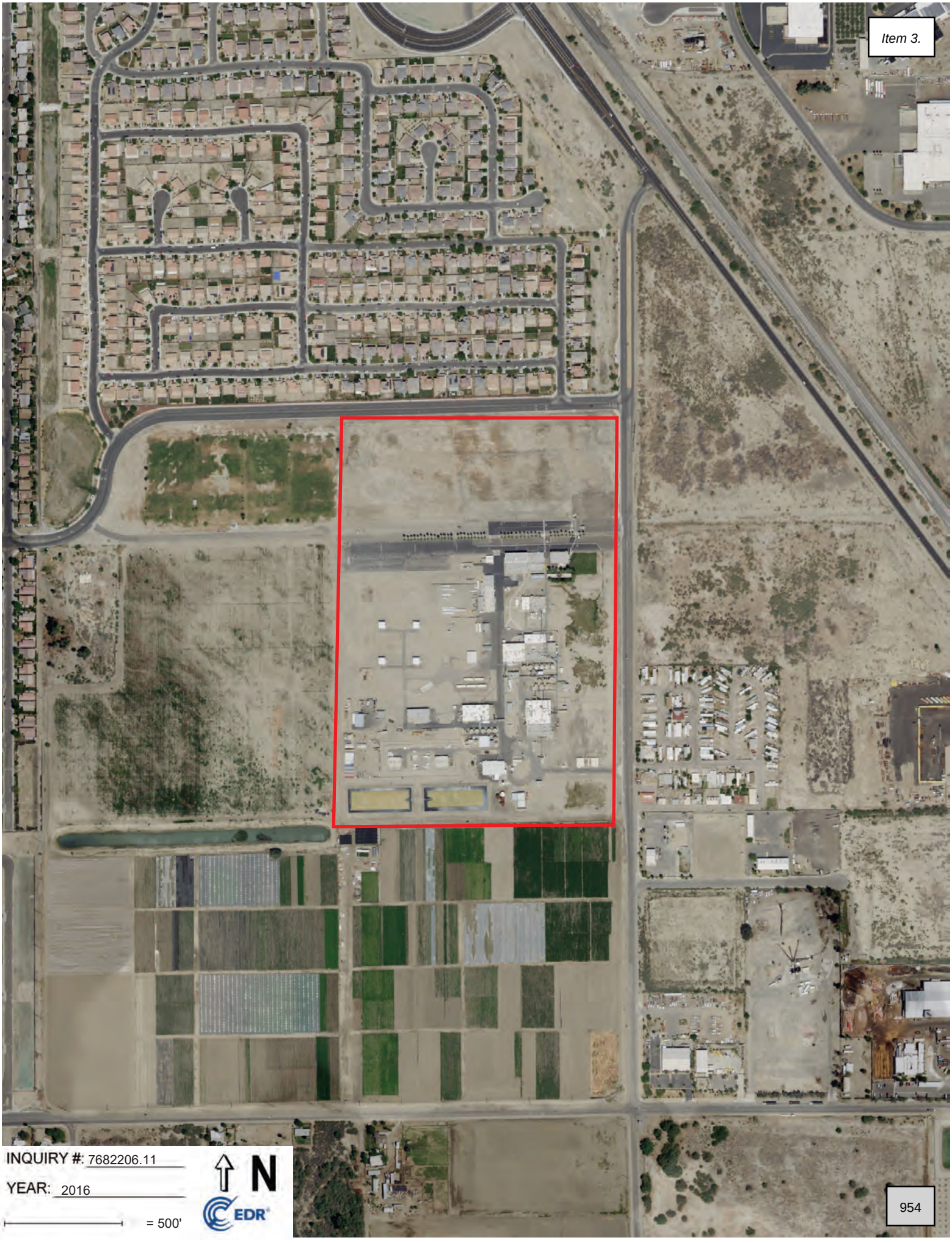
INQUIRY #: 7682206.11

YEAR: 2020

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 2016

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 2012

= 500'

N

EDR



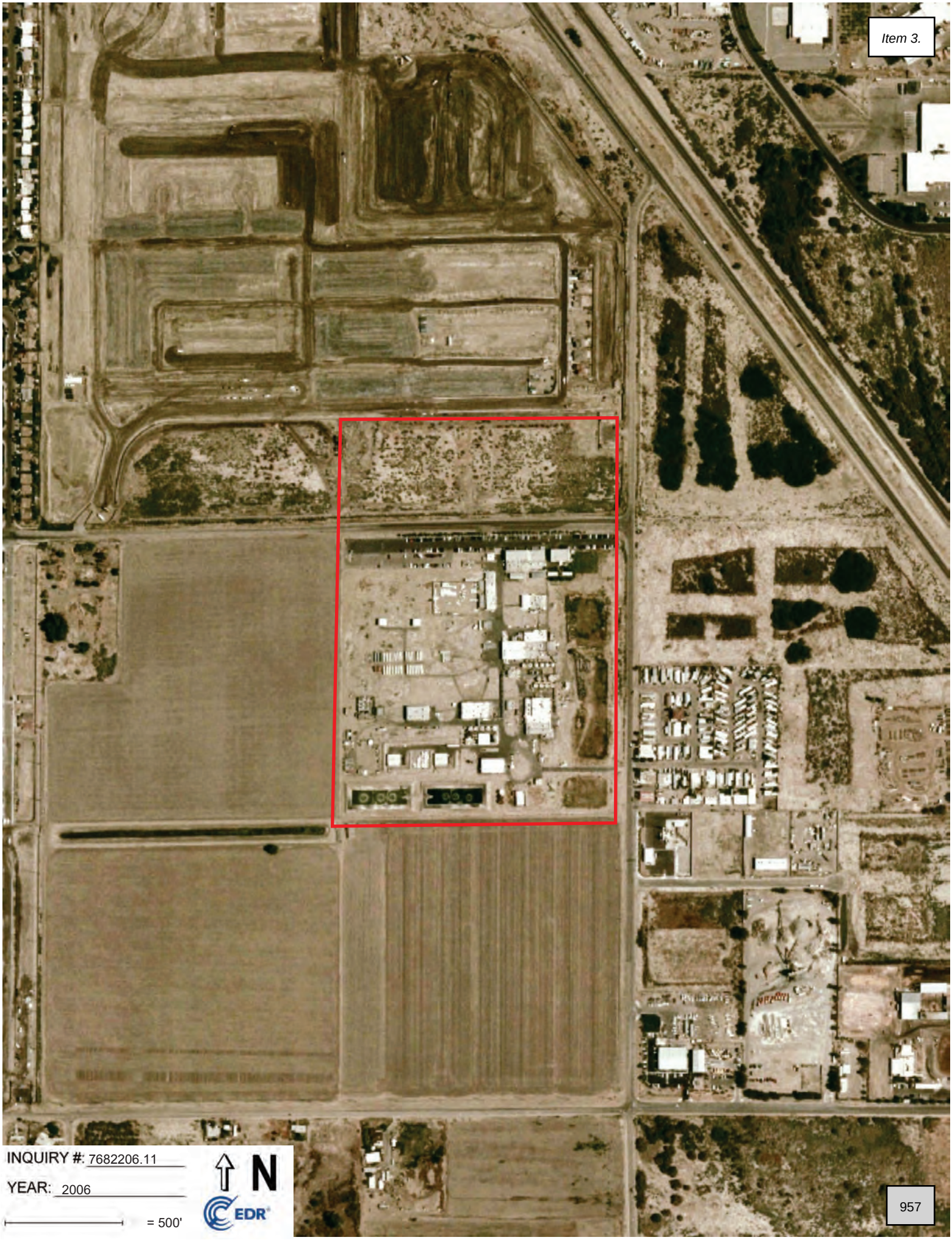
INQUIRY #: 7682206.11

YEAR: 2009

= 500'

N

EDR



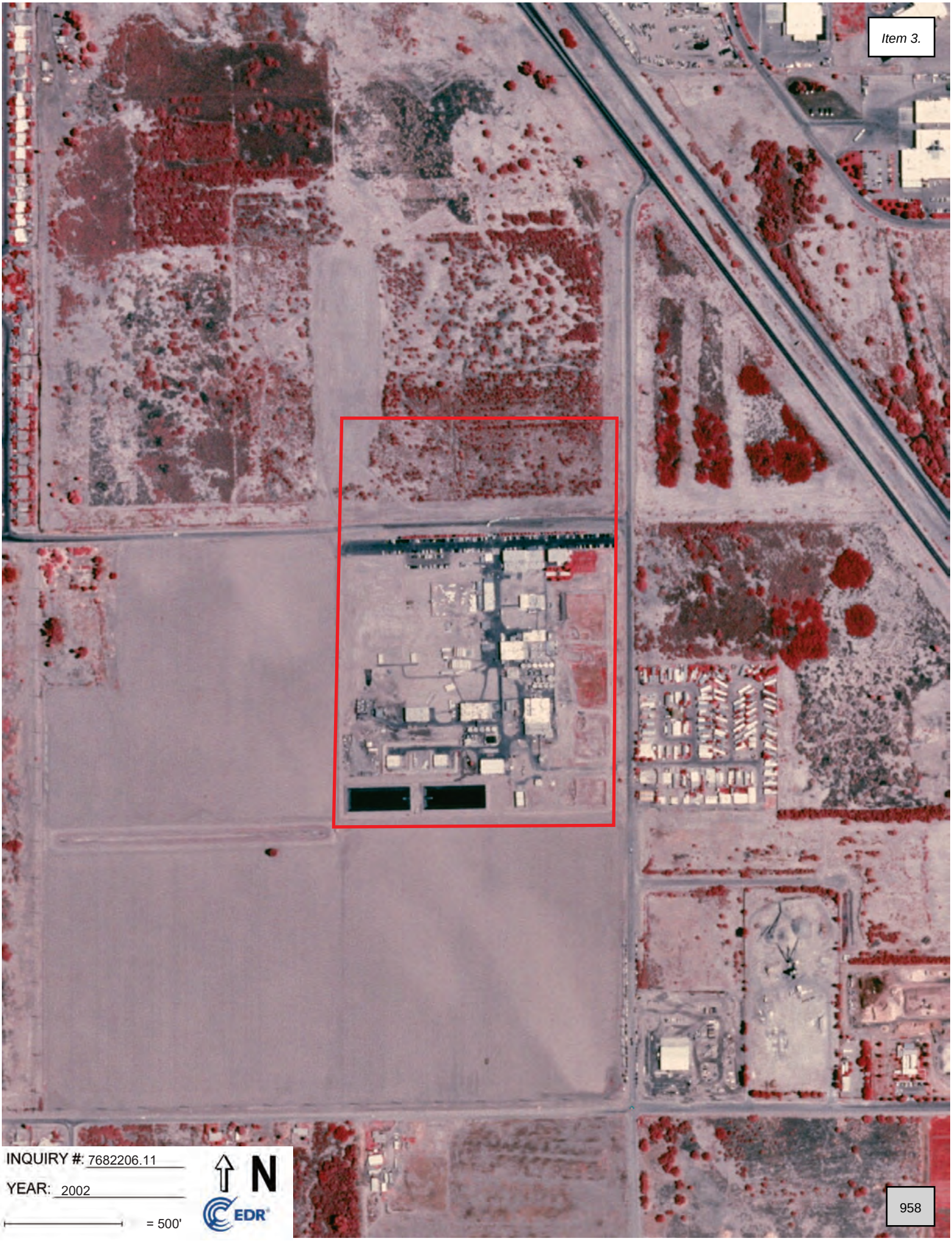
INQUIRY #: 7682206.11

YEAR: 2006

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 2002

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 1996

= 500'

N

EDR

Subject boundary not shown be
exceeds image extent or image
georeferenced.



INQUIRY #: 7682206.11

YEAR: 1984

= 500'

N

EDR



INQUIRY #: 7682206.11

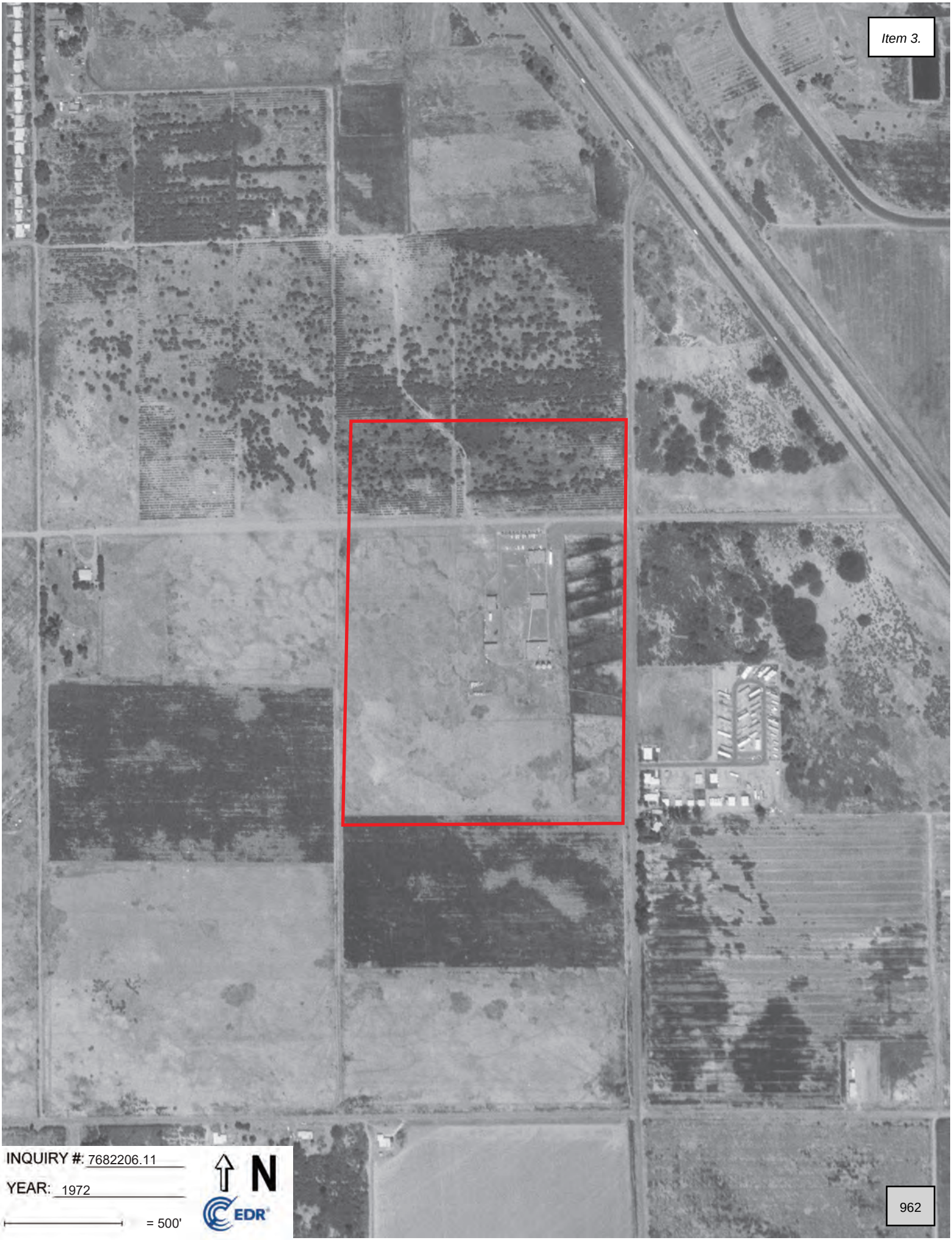
YEAR: 1975

= 500'

N

EDR

Subject boundary not shown be
exceeds image extent or image
georeferenced.



INQUIRY #: 7682206.11

YEAR: 1972

= 500'

N

EDR



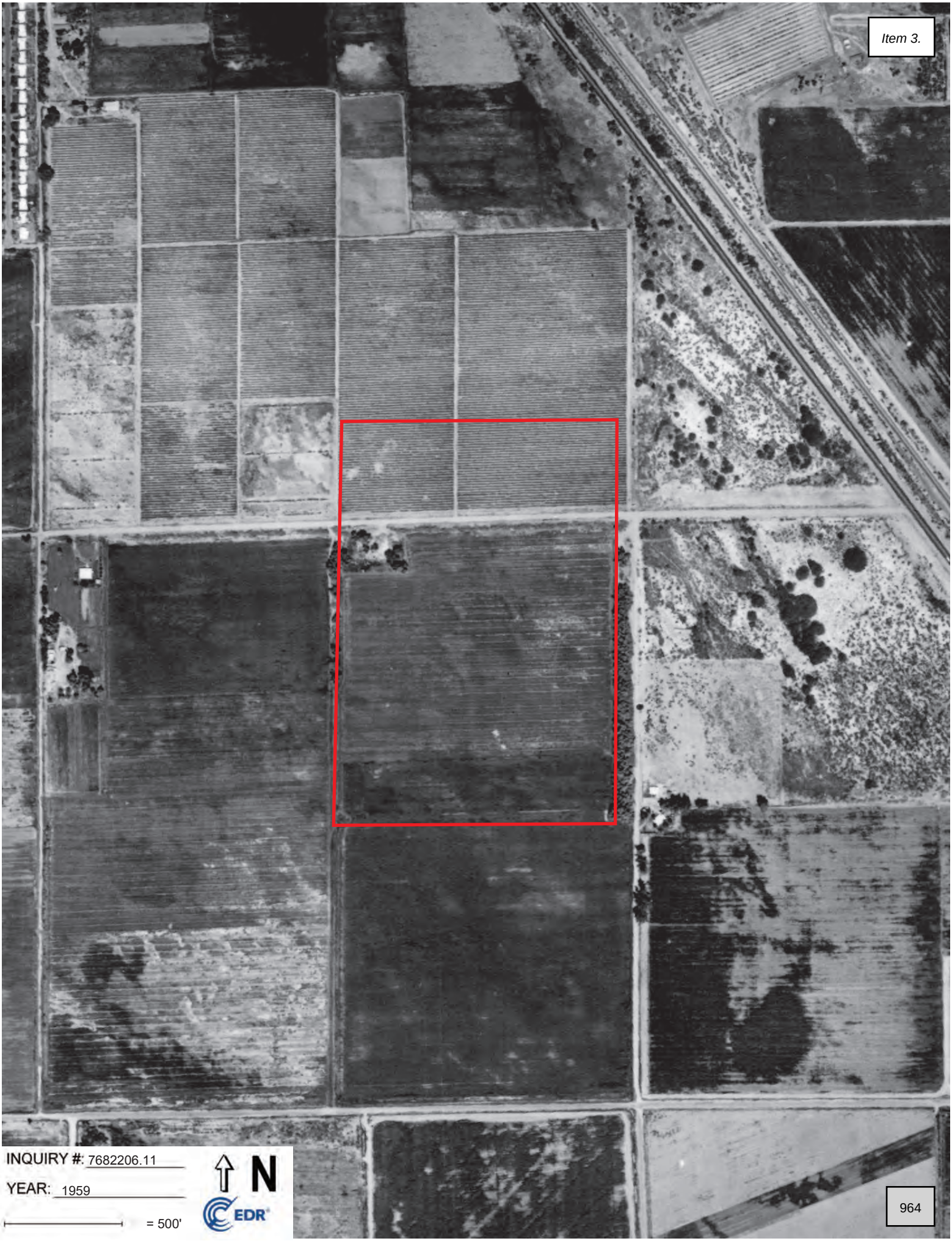
INQUIRY #: 7682206.11

YEAR: 1965

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 1959

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 1953

= 500'

N

EDR



INQUIRY #: 7682206.11

YEAR: 1949

= 500'

N

EDR

APPENDIX F

CERTIFIED SANBORN® MAP REPORT

85901 AVENUE 53

85901 AVENUE 53

COACHELLA, CA 92236

Inquiry Number: 7682206.3

June 14, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/14/24

Site Name:

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236
EDR Inquiry # 7682206.3

Client Name:

Northgate Env. Management, Inc.
92 Argonaut
Aliso Viejo, CA 92656
Contact: Jacob Lacy

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Certified Sanborn Results:

Certification # 1ACB-4B22-A76E

PO # NA

Project 85901 Avenue 53

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 1ACB-4B22-A76E

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX G

THE EDR HISTORICAL TOPOGRAPHIC MAP REPORT

85901 AVENUE 53

85901 AVENUE 53

COACHELLA, CA 92236

Inquiry Number: 7682206.4

June 14, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/

Site Name:	Client Name:
85901 AVENUE 53	Northgate Env. Management, Inc.
85901 AVENUE 53	92 Argonaut
COACHELLA, CA 92236	Aliso Viejo, CA 92656
EDR Inquiry # 7682206.4	Contact: Jacob Lacy

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Northgate Env. Management, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: 85901 Avenue 53

Coordinates:

Latitude:	33.66209 33° 39' 44" North
Longitude:	-116.16649 -116° 9' 59" West
UTM Zone:	Zone 11 North
UTM X Meters:	577277.35
UTM Y Meters:	3725001.80
Elevation:	-89.00' below sea level

Maps Provided:

2021	1943
2018	1941
2015	1904
2012	
1975	
1972	
1956	
1947	

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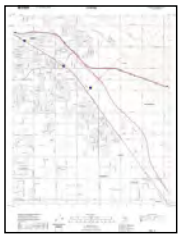
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2021 Source Sheets



Indio
2021
7.5-minute, 24000

2018 Source Sheets



Indio
2018
7.5-minute, 24000

2015 Source Sheets



Indio
2015
7.5-minute, 24000

2012 Source Sheets



Indio
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975 Source Sheets



Indio
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1972 Source Sheets



Indio
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1956 Source Sheets



Indio
1956
7.5-minute, 24000
Aerial Photo Revised 1953

1947 Source Sheets



COACHELLA
1947
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1943 Source Sheets



Coachella
1943
15-minute, 62500
Aerial Photo Revised 1941

1941 Source Sheets



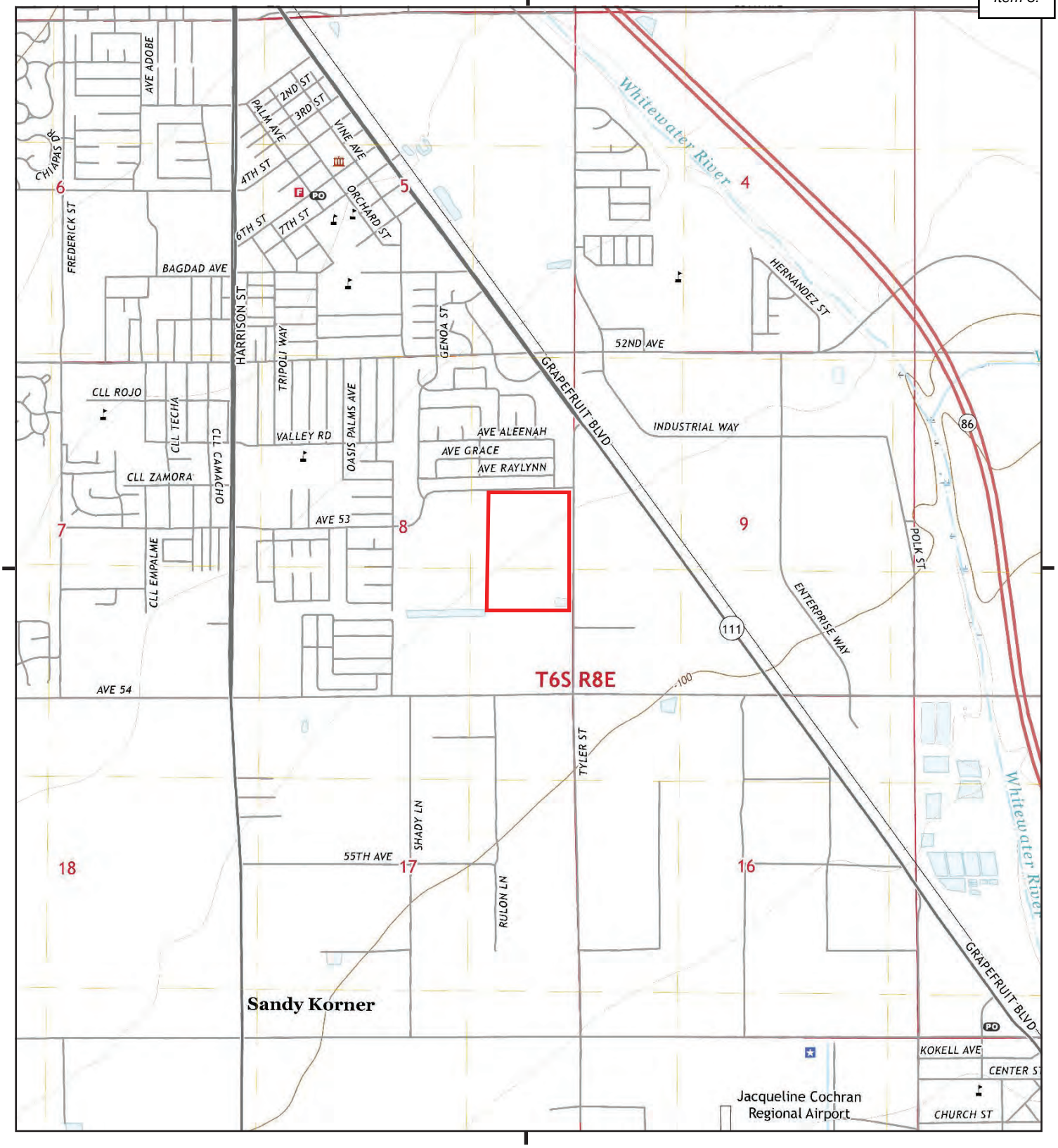
Coachella
1941
15-minute, 62500
Aerial Photo Revised 1941

1904 Source Sheets



Indio
1904
30-minute, 125000

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

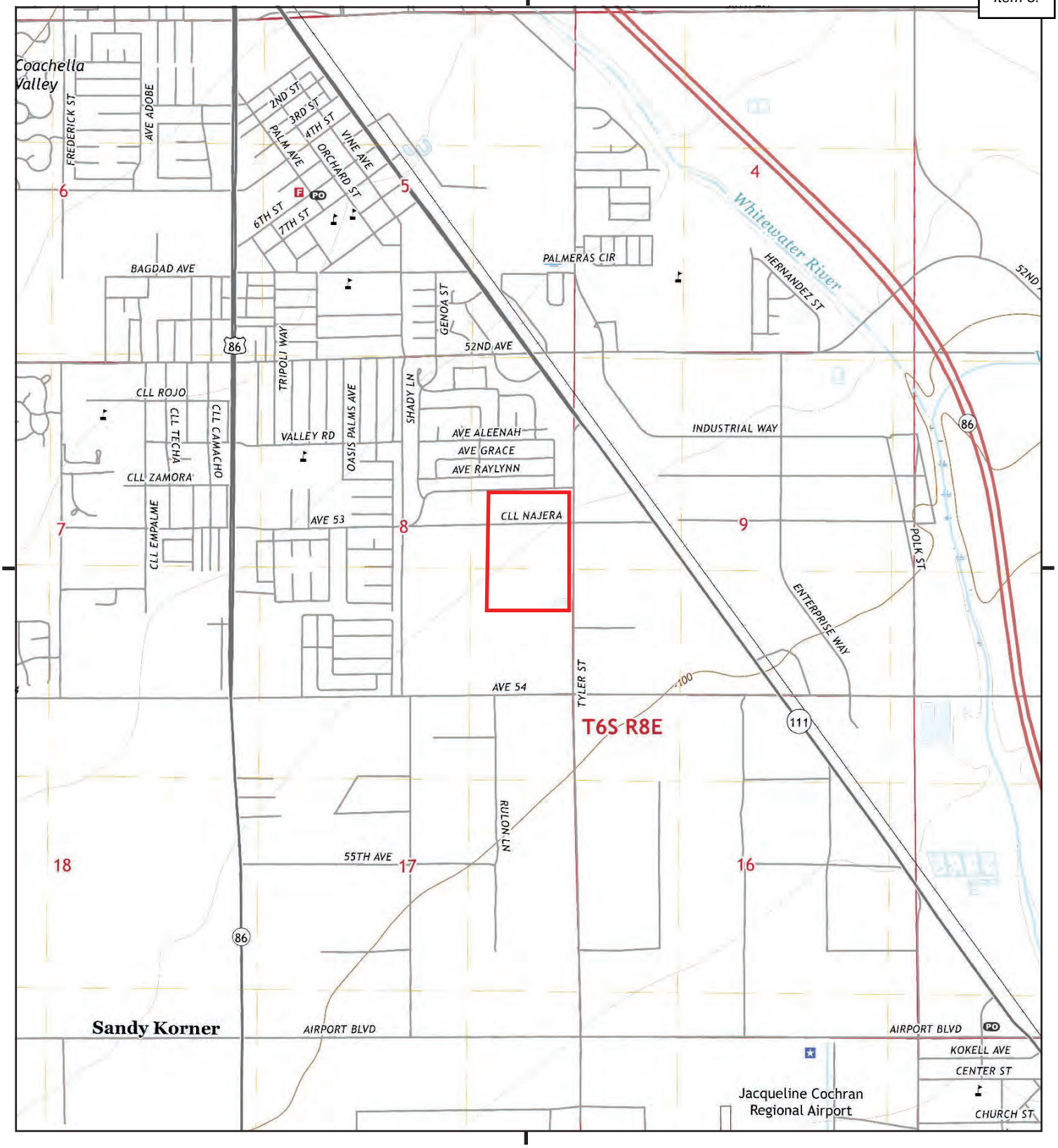
TP, Indio, 2021, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

976

Historical Topo Map

Item 3.



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

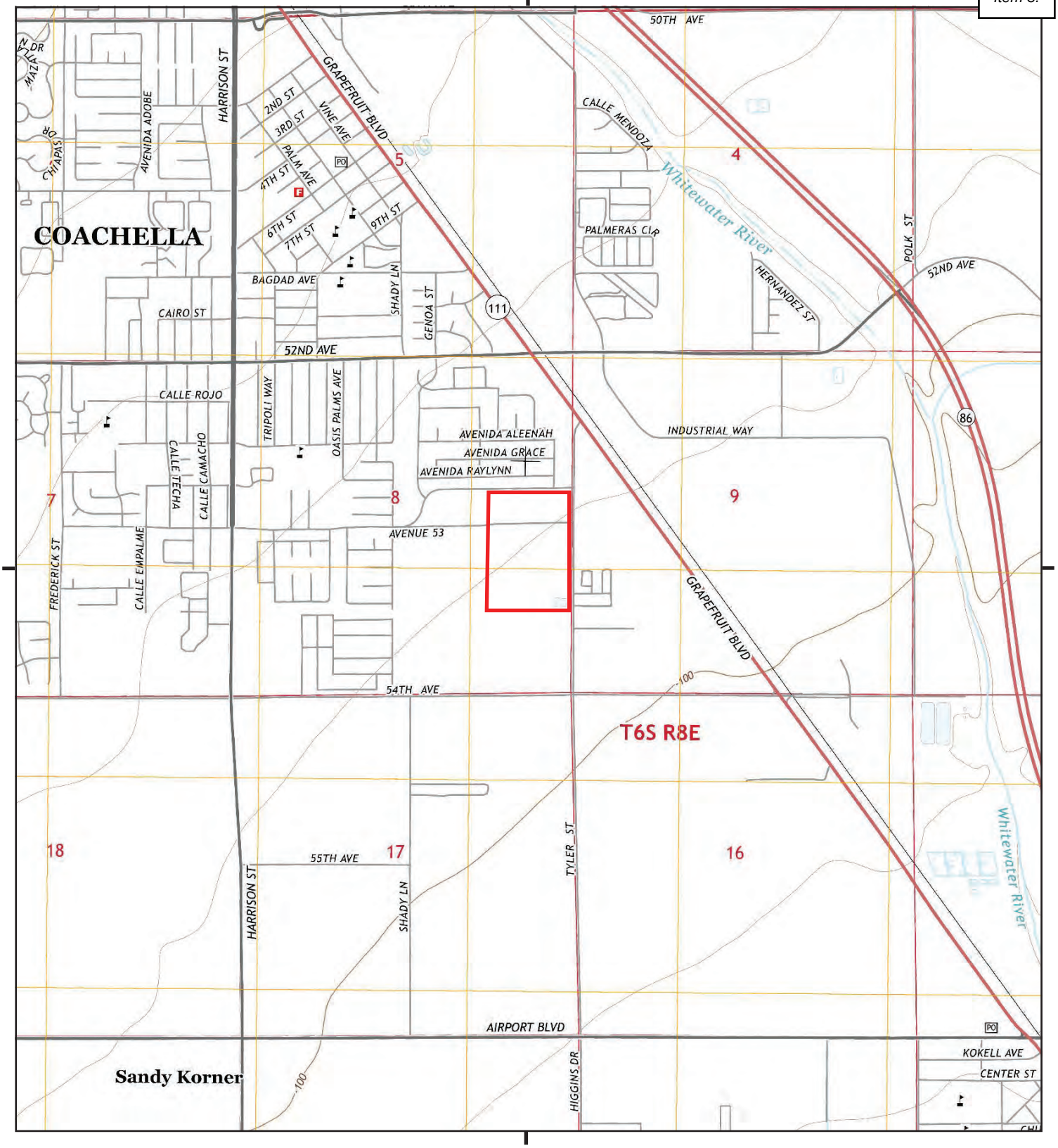
TP, Indio, 2018, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

977

Historical Topo Map

Item 3.



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

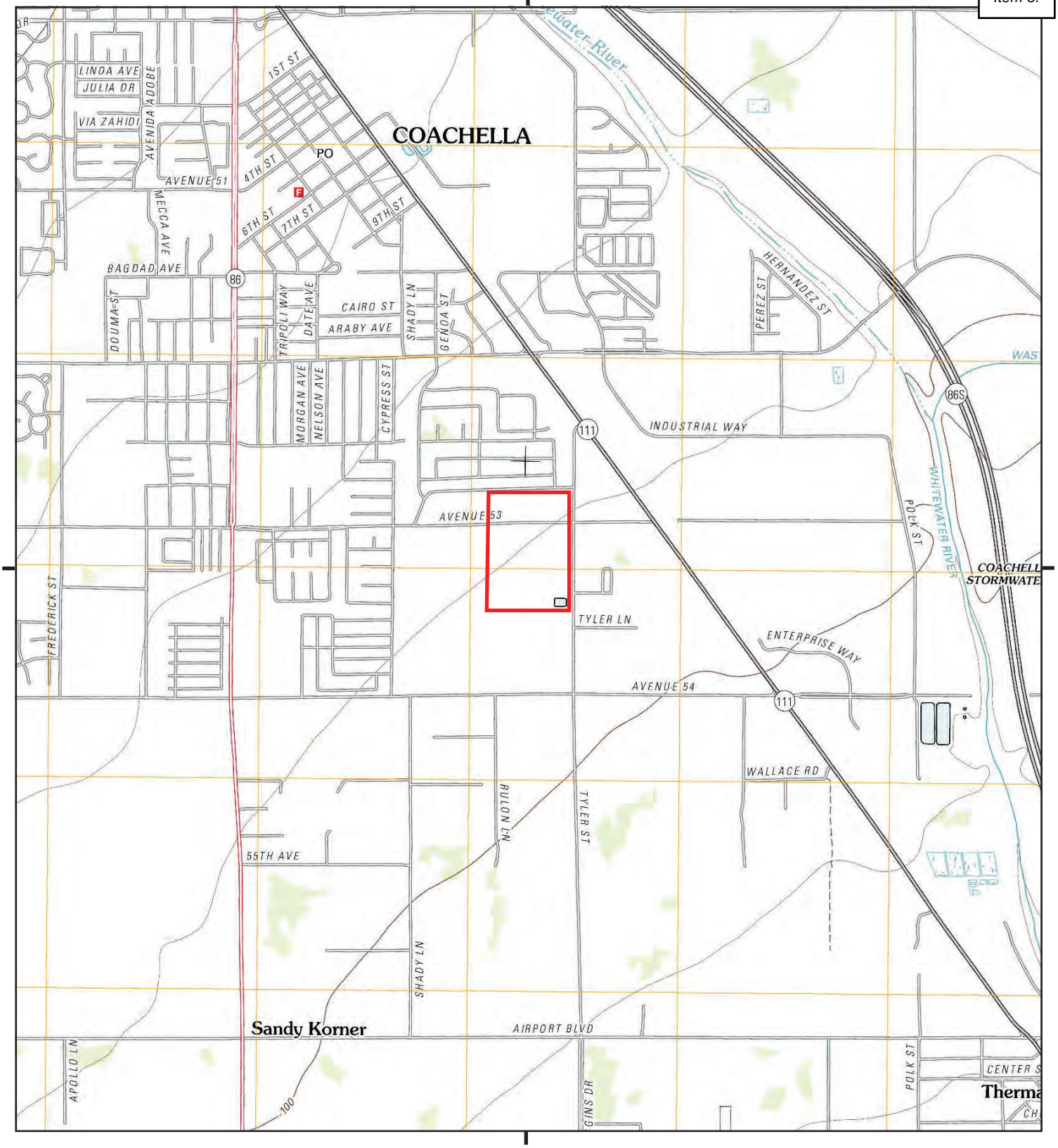
TP, Indio, 2015, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

978

Historical Topo Map

Item 3.



This report includes information from the following map sheet(s).

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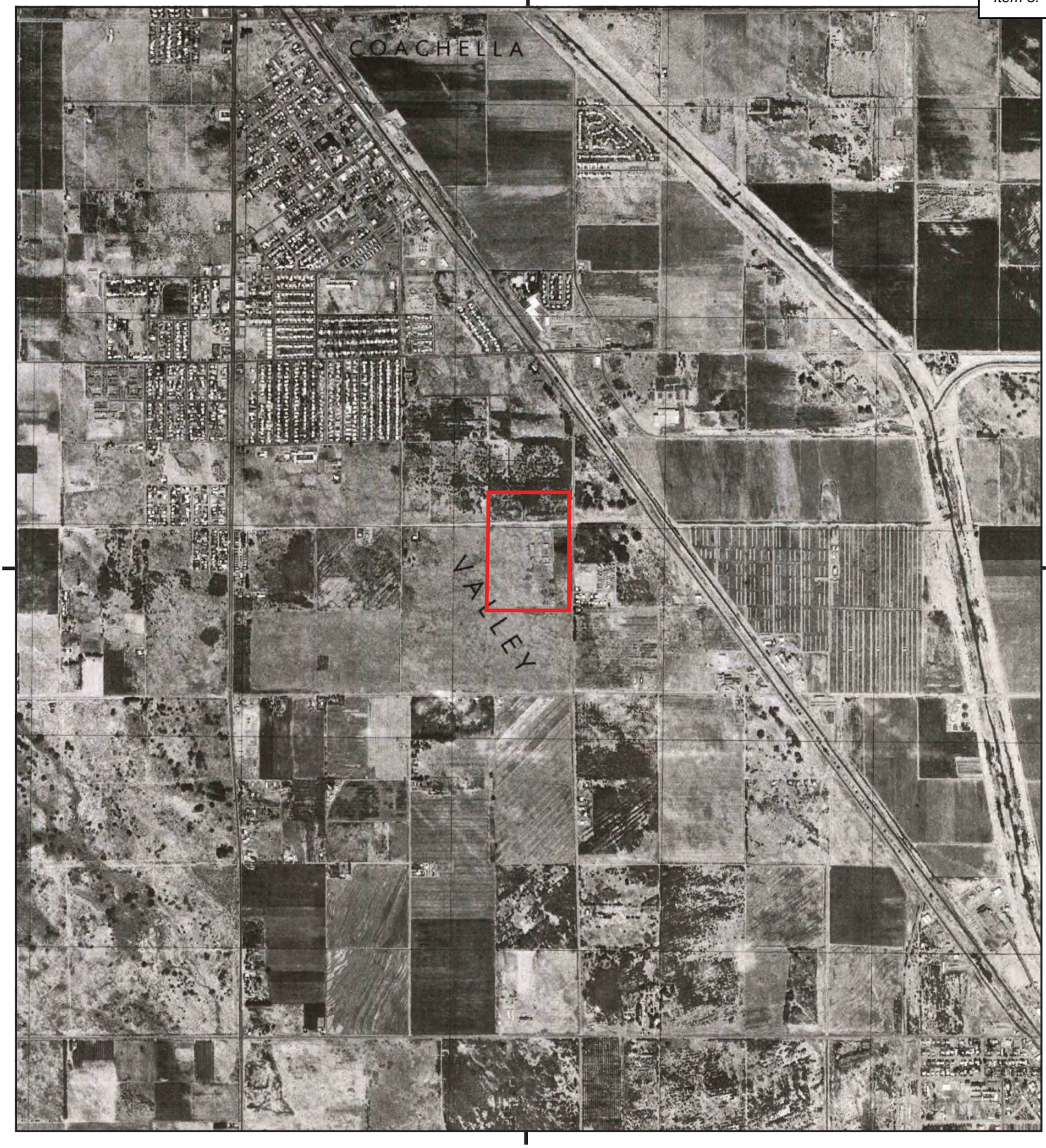
NW N NE
W E
SW S SE

TP, Indio, 2012, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

979

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

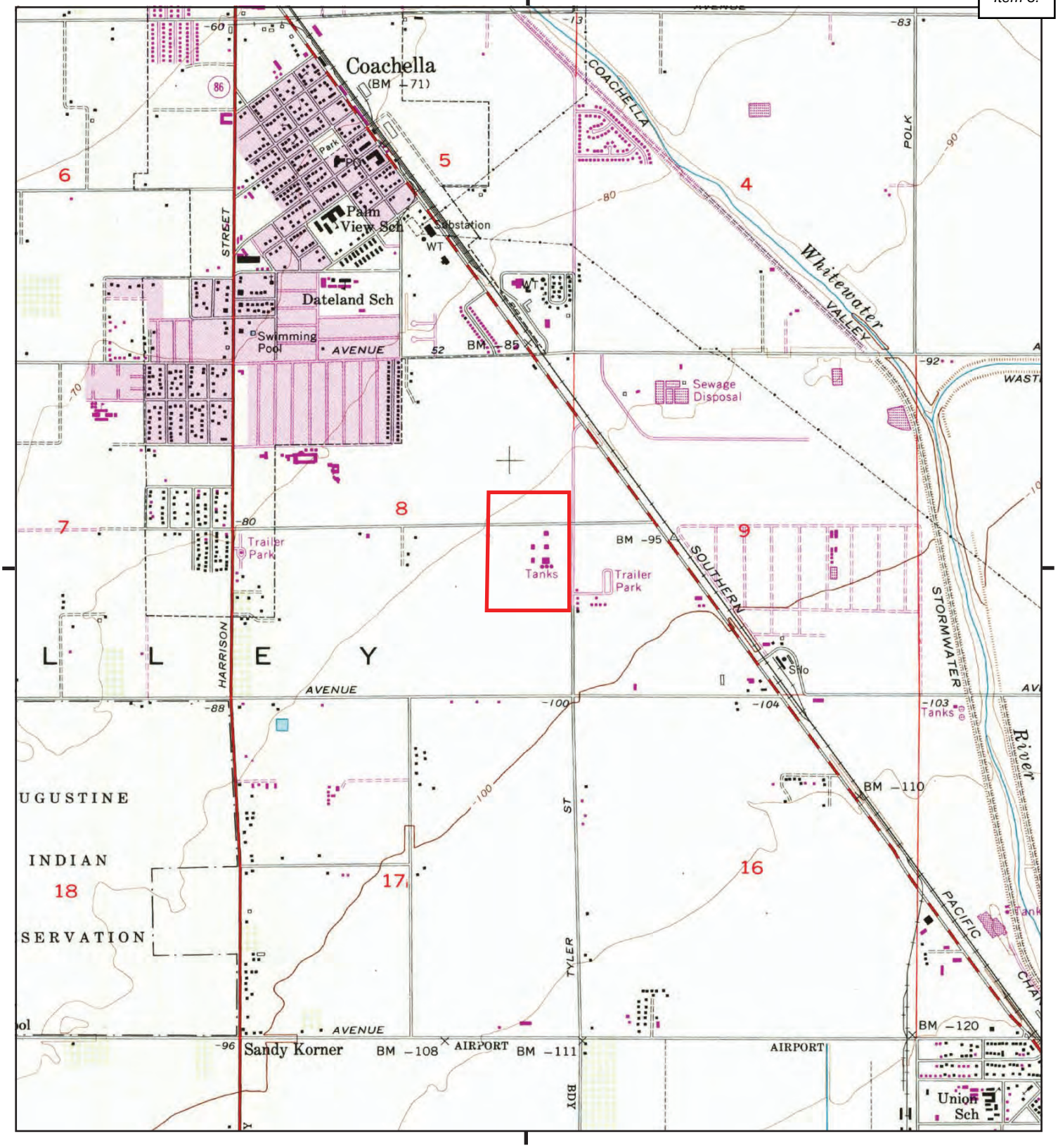
NW N NE
W E
SW S SE

TP, Indio, 1975, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

980

Historical Topo Map



This report includes information from the following map sheet(s).

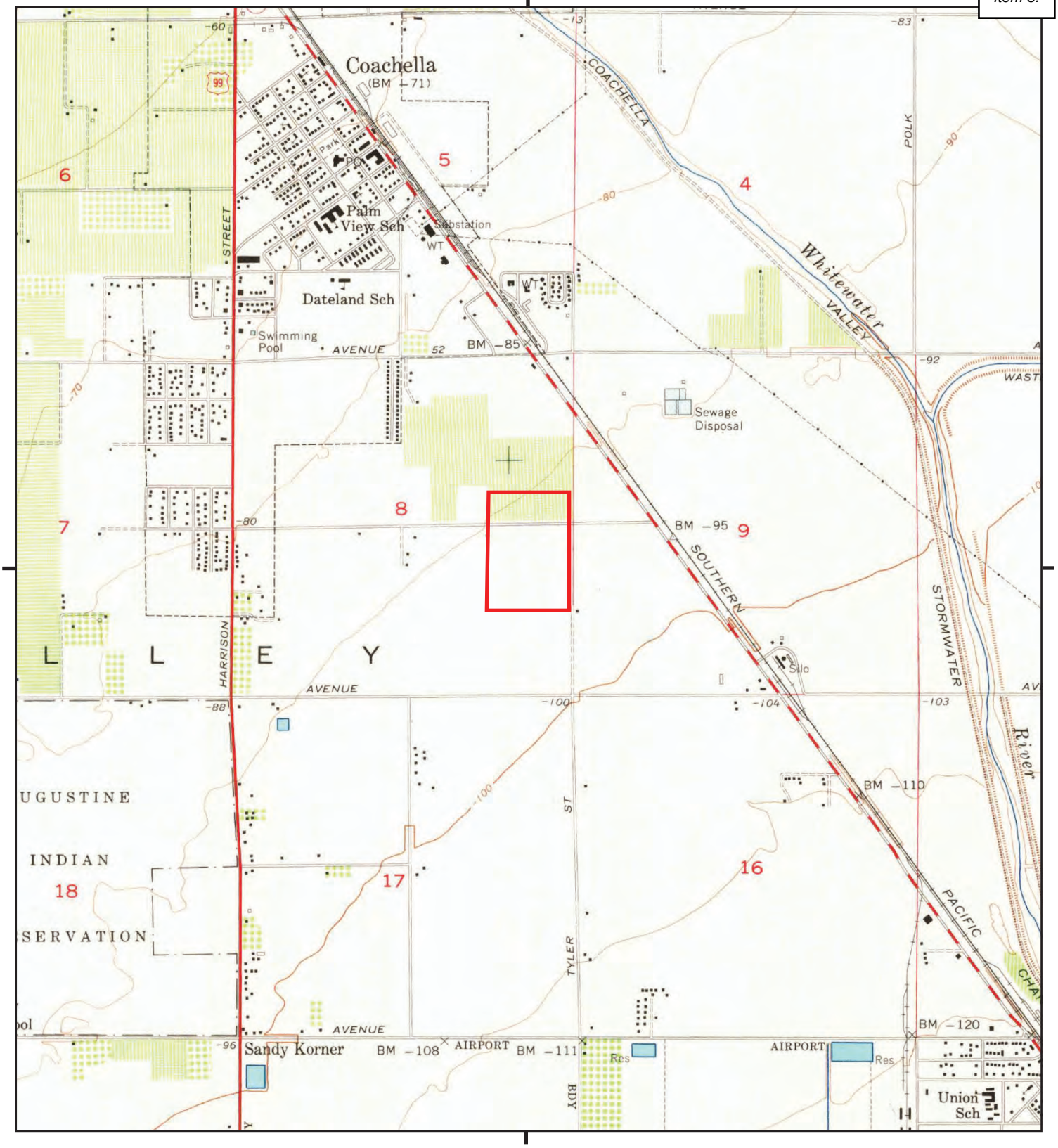
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Indio, 1972, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Indio, 1956, 7.5-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

982

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

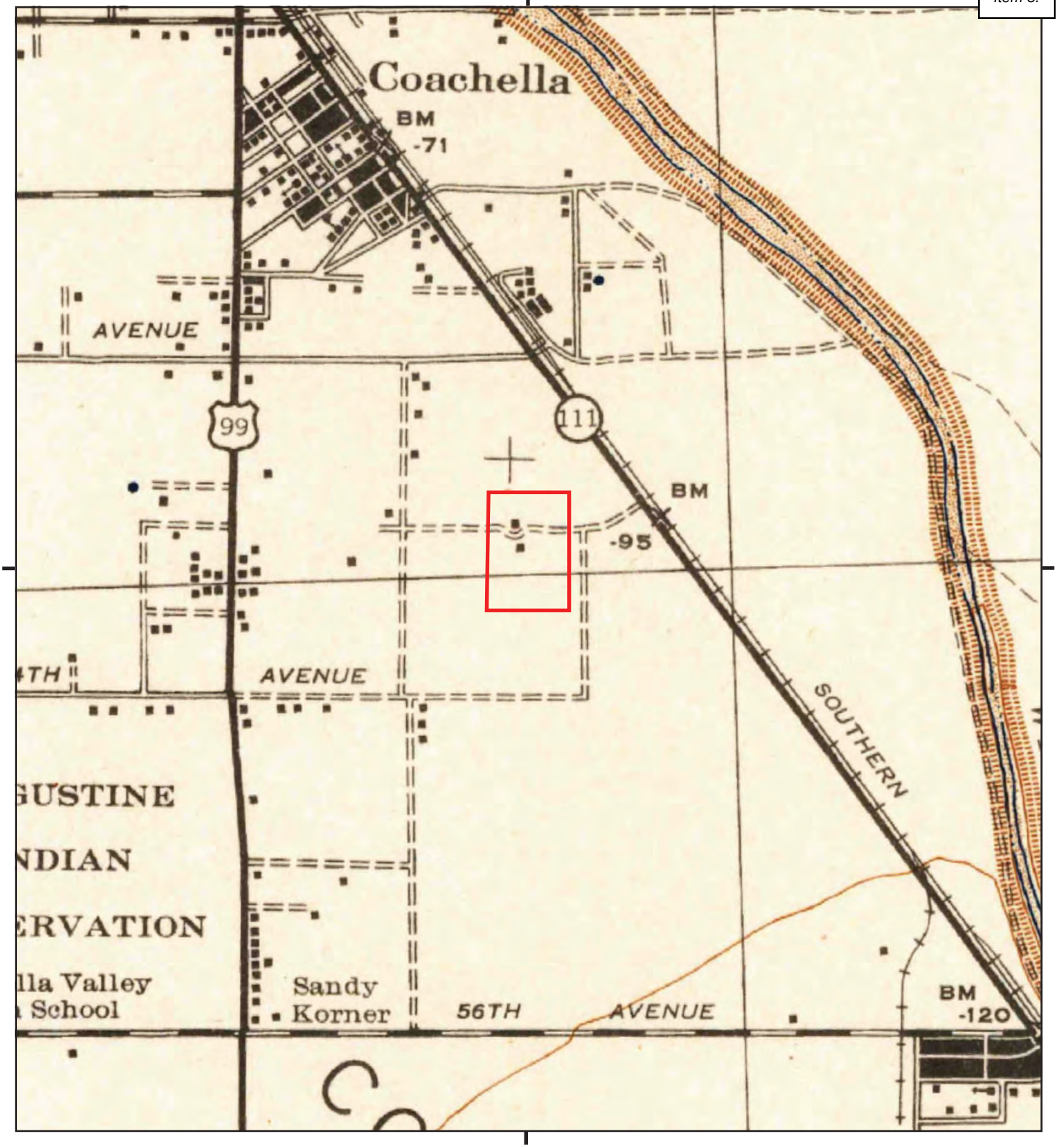
NW N NE
W E
SW S SE

TP, COACHELLA, 1947, 15-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

983

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

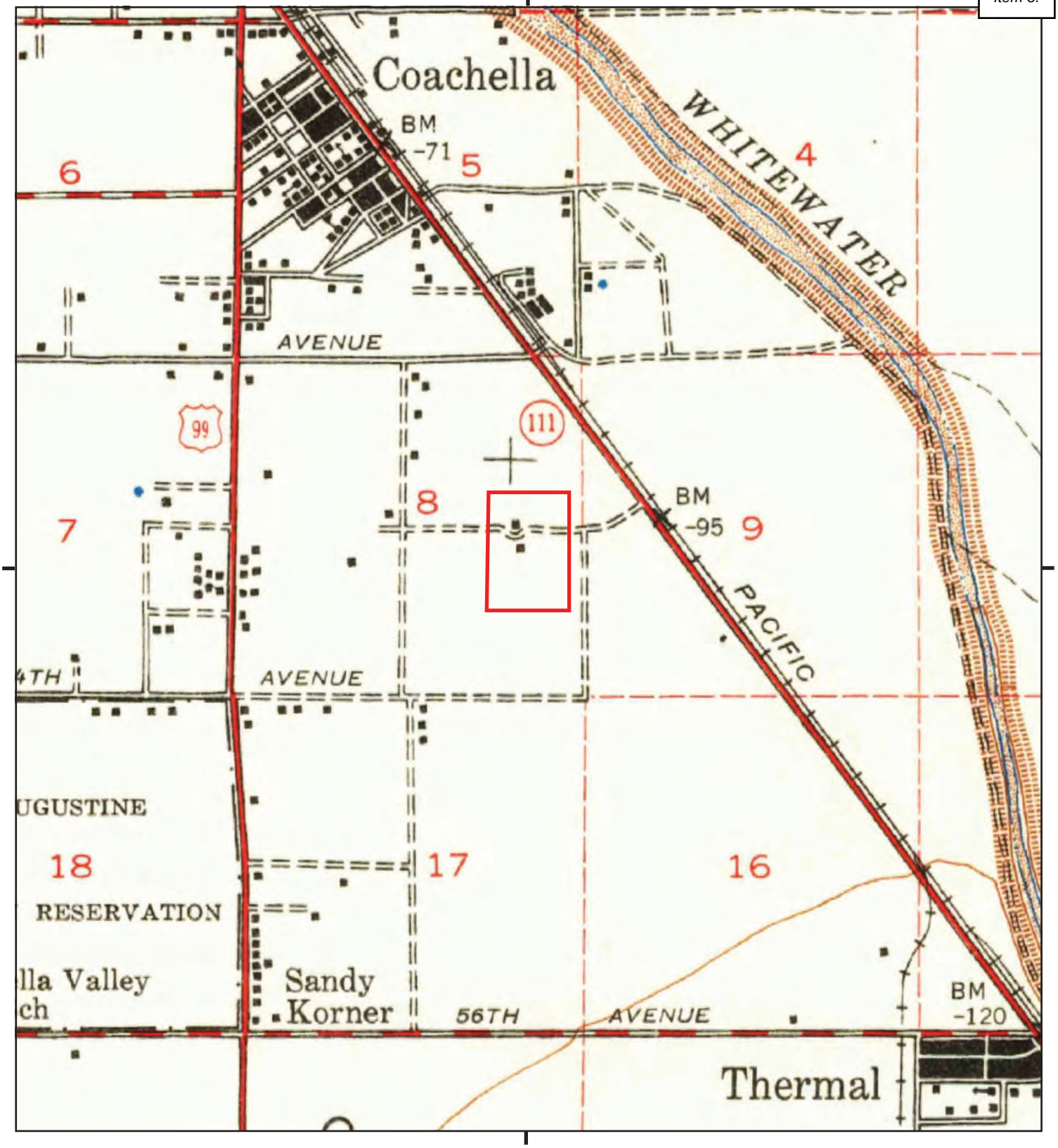
NW N NE
W E
SW S SE

TP, Coachella, 1943, 15-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

984

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

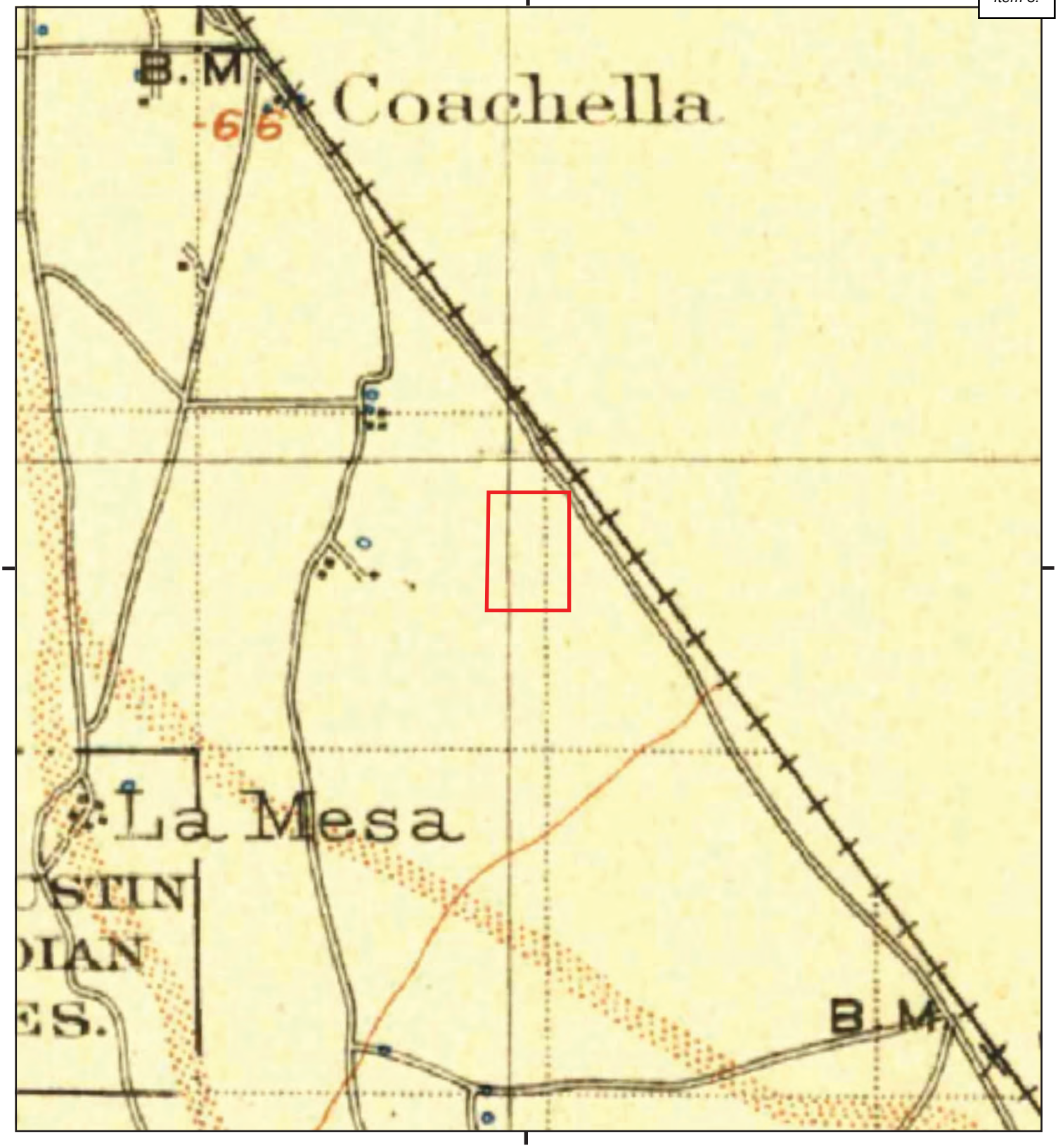
NW N NE
W E
SW S SE

TP, Coachella, 1941, 15-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

985

Historical Topo Map



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Indio, 1904, 30-minute

SITE NAME: 85901 AVENUE 53
ADDRESS: 85901 AVENUE 53
COACHELLA, CA 92236
CLIENT: Northgate Env. Management, Inc.

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APPENDIX H

THE EDR-CITY DIRECTORY ABSTRACT

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

Inquiry Number: 7682206.5
July 09, 2024

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2020	☑	☐	EDR Digital Archive
2017	☑	☐	Cole Information
2014	☑	☐	Cole Information
2010	☑	☐	Cole Information
2005	☑	☐	Cole Information
2000	☑	☐	Cole Information
1995	☑	☐	Cole Information
1992	☑	☐	Cole Information
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1976	☑	☐	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

85901 AVENUE 53
COACHELLA, CA 92236

Year	CD Image	Source	
53RD AVE			
1995	pg A7	Cole Information	
1992	pg A8	Cole Information	
AVENUE 53			
2020	pg A1	EDR Digital Archive	
2017	pg A2	Cole Information	
2014	pg A3	Cole Information	
2010	pg A4	Cole Information	
2005	pg A5	Cole Information	
2000	pg A6	Cole Information	
1990	pg A10	Haines Criss-Cross Directory	
1990	pg A9	Haines Criss-Cross Directory	
1985	pg A11	Haines Criss-Cross Directory	
1980	pg A12	Haines Criss-Cross Directory	
1976	pg A13	Haines Criss-Cross Directory	
1971	-	Haines Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

AVENUE 53 2020

83125	JOSE GARZA
	LINDA GARZA
	RAYMOND GARZA
83750	COLLEEN KELLY
84789	ERNESTINA FRANCO
	LAWRENCE FRANCO
	TINA FRANCO
84910	SHANE BELTRAN
85575	ARMANDO ALVAREZ
	IRMA ALVAREZ
	MICHELLE ALVAREZ

Target Street	Cross Street	Source
✓	-	Cole Information

AVENUE 53 2017

83125 GARZA, JOSE J
83285 MACIAS, JUAN
84789 FRANCO, LAWRENCE C
84910 CADENA, JOSEPHINE
85575 ALVAREZ, ARMANDO G
85901 ARMTEC DEFENSE PRODUCTS CO INC

AVENUE 53 2014

83125	GARZA, JOSE J
83285	MACIAS, JUAN
83660	OCCUPANT UNKNOWN,
83750	PASILLAS, COLLEEN
84255	HERNANDEZ, MARIA G
84710	OCCUPANT UNKNOWN,
84789	FRANCO, LAWRENCE C
84910	CADENA, JOSEPHINE
85575	ALVAREZ, ARMANDO G
85901	ARMTEC DEFENSE PRODUCTS CO INC
	ARMTEC DEFENSE PRODUCTS INC

AVENUE 53 2010

83125 GARZA, JOSE J
83285 MACIAS, JUAN
83750 OCCUPANT UNKNOWN,
84255 HERNANDEZ, MARIA G
84710 HERNANDEZ, DEAN
84789 FRANCO, LAWRENCE C
84910 CADENA, ALEX B
84990 NEGRETE, SAMUEL
85575 ALVAREZ, LUIS A
VALADEZ, V
85901 ARMTEC DEFENSE PRODUCTS INC

AVENUE 53 2005

83125	ALL STAR AUTO SALES
	GARZA, JOSE J
83285	OCCUPANT UNKNOWN,
83660	HERRERA, LORI K
83925	GARCIA, MA S
84255	OCCUPANT UNKNOWN,
84789	FRANCO, LAWRENCE C
84909	FELIX, LUIS
84910	CADENA, ALEX B
84990	NEGRETE, SAMUEL
85351	OCCUPANT UNKNOWN,
85353	OCCUPANT UNKNOWN,
85475	OCCUPANT UNKNOWN,
85575	ALVAREZ, LUIS M
	CORRALES, MARIA
	LOPEZ, ANGEL
	VALADEZ, V

Target Street	Cross Street	Source
✓	-	Cole Information

AVENUE 53 2000

84909 NEGRETE, SAMUEL
84910 OCCUPANT UNKNOWN,
84913 RICO, JOE G
85377 OCCUPANT UNKNOWN,
85475 OCCUPANT UNKNOWN,
85515 ALVAREZ, LUIS
85575 ALVAREZ, ARMANDO
FRANCO, ELOISA
85901 ARMTEC DEFENSE PRODUCTS INCORPORATED

Target Street	Cross Street	Source
✓	-	Cole Information

53RD AVE 1995

83125 GARZA, JOSE J
83285 OCCUPANT UNKNOWNN
83660 DUARTE, DELFINA
FONSECA, JOVITA
84909 SANCHEZ, JUAN N
84910 CADENA, N
FLORES, LOUIE
84913 GUTIERREZ, MARTIZA
85351 GARCIA, JACKIE
85353 ISLAS, DAUL
85375 CASTILLO, CARMEN
85377 ALDAMA, XOCHITL
NEVAREZ, JAVIER
85475 LOPEZ, N
85575 ACEVES, NORMA
ALVAREZ, ARMANDO M
GARCIA, SAN J
87729 VALENCIA, JUAN P
87735 ALLCHIN, JOHN

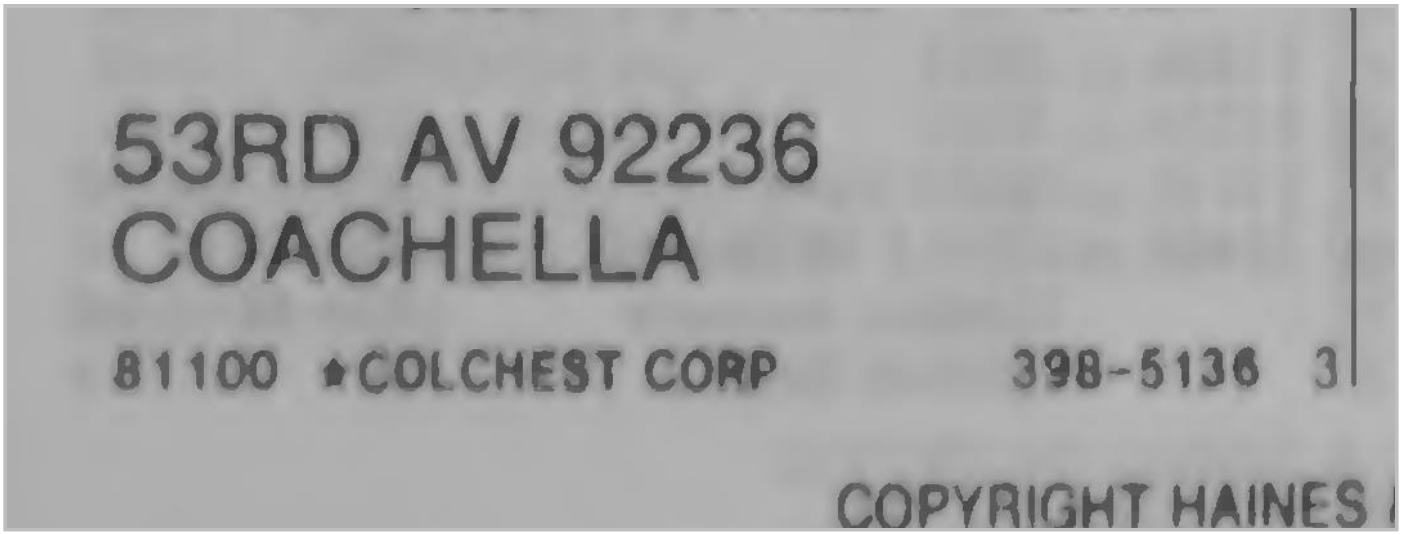
Target Street	Cross Street	Source
✓	-	Cole Information

53RD AVE 1992

81100 COLCHEST CORP
81950 DADANIAN, GEORGE
PAEDES, HERMAN
SOTO, ARISTEO R
82300 DAVALL, SHARON
83125 GARZA, JOSE J
83285 MAHR, ERWIN
84910 CADENA, N
84913 GUTIERREZ, MARTIZA
85353 ISLAS, DAUL
85377 CAMPOS REVIVAL INC
85475 COTA, ALVARO
LOPEZ, N
85575 ALVAREZ, ARMANDO M
GARCIA, SAN J
85901 ARMTEC DEFENSE PRD
87729 MEDINA, SILVIA
VALENCIA, JUAN P
88575 ALVAREZ, LUIS

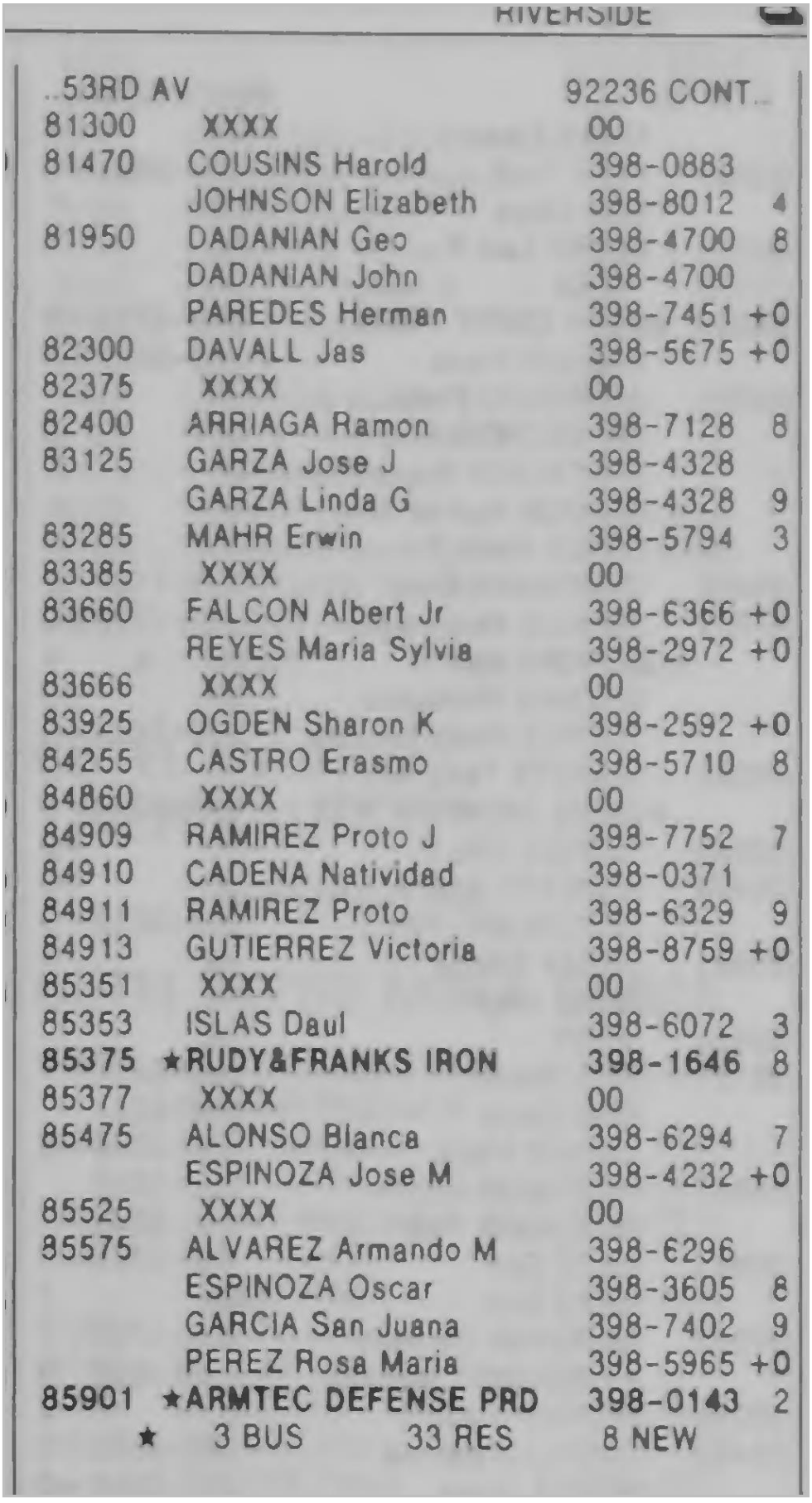
Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

AVENUE 53 1990



Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

AVENUE 53 1990



RIVERSIDE

..53RD AV		92236 CONT..	
81300	XXXX	00	
81470	COUSINS Harold	398-0883	
	JOHNSON Elizabeth	398-8012	4
81950	DADANIAN Geo	398-4700	8
	DADANIAN John	398-4700	
	PAREDES Herman	398-7451	+0
82300	DAVALL Jas	398-5675	+0
82375	XXXX	00	
82400	ARRIAGA Ramon	398-7128	8
83125	GARZA Jose J	398-4328	
	GARZA Linda G	398-4328	9
83285	MAHR Erwin	398-5794	3
83385	XXXX	00	
83660	FALCON Albert Jr	398-6366	+0
	REYES Maria Sylvia	398-2972	+0
83666	XXXX	00	
83925	OGDEN Sharon K	398-2592	+0
84255	CASTRO Erasmo	398-5710	8
84860	XXXX	00	
84909	RAMIREZ Proto J	398-7752	7
84910	CADENA Natividad	398-0371	
84911	RAMIREZ Proto	398-6329	9
84913	GUTIERREZ Victoria	398-8759	+0
85351	XXXX	00	
85353	ISLAS Daul	398-6072	3
85375	★RUDY&FRANKS IRON	398-1646	8
85377	XXXX	00	
85475	ALONSO Blanca	398-6294	7
	ESPINOZA Jose M	398-4232	+0
85525	XXXX	00	
85575	ALVAREZ Armando M	398-6296	
	ESPINOZA Oscar	398-3605	8
	GARCIA San Juana	398-7402	9
	PEREZ Rosa Maria	398-5965	+0
85901	★ARMTEC DEFENSE PRD	398-0143	2
★	3 BUS 33 RES	8 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Item 3.

AVENUE 53 1985

53RD AV 92236
COACHELLA

81100	COLCHEST CORP	398-5136	3
81300	XXXX	00	
81470	COUSINS HAROLD	398-0683	
	JOHNSON ELIZABETH	398-8012	4
81650	XXXX	00	
81700	DEANDA PORFIRIO	398-5131	4
81950	DADANIAN GEO	398-6747	2
82300	DAVALL JAS	398-9668	+5
82375	DAVALL DAVID C	398-5336	0
82400	XXXX	00	
83125	XXXX	00	
83285	MAHR MARVIN E	398-5794	3
83385	XXXX	00	
83660	XXXX	00	
83666	XXXX	00	
83925	AGUILAR BETTY	398-9788	+5
84255	OREAR JAS	398-7077	+5
84910	CADENA NATIVIDAD	398-0371	
84911	XXXX	00	
84913	XXXX	00	
85351	XXXX	00	
85353	ISLAS DAUL	398-6072	3
85375	TORRES FRANCISCO	398-8658	4
85525	XXXX	00	
85575	ALVAREZ ARMANDO M	398-6296	9
85901	ARMTEC DEFENSE PRD	398-0143	2

★ 1 BUS 25 RES 3 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

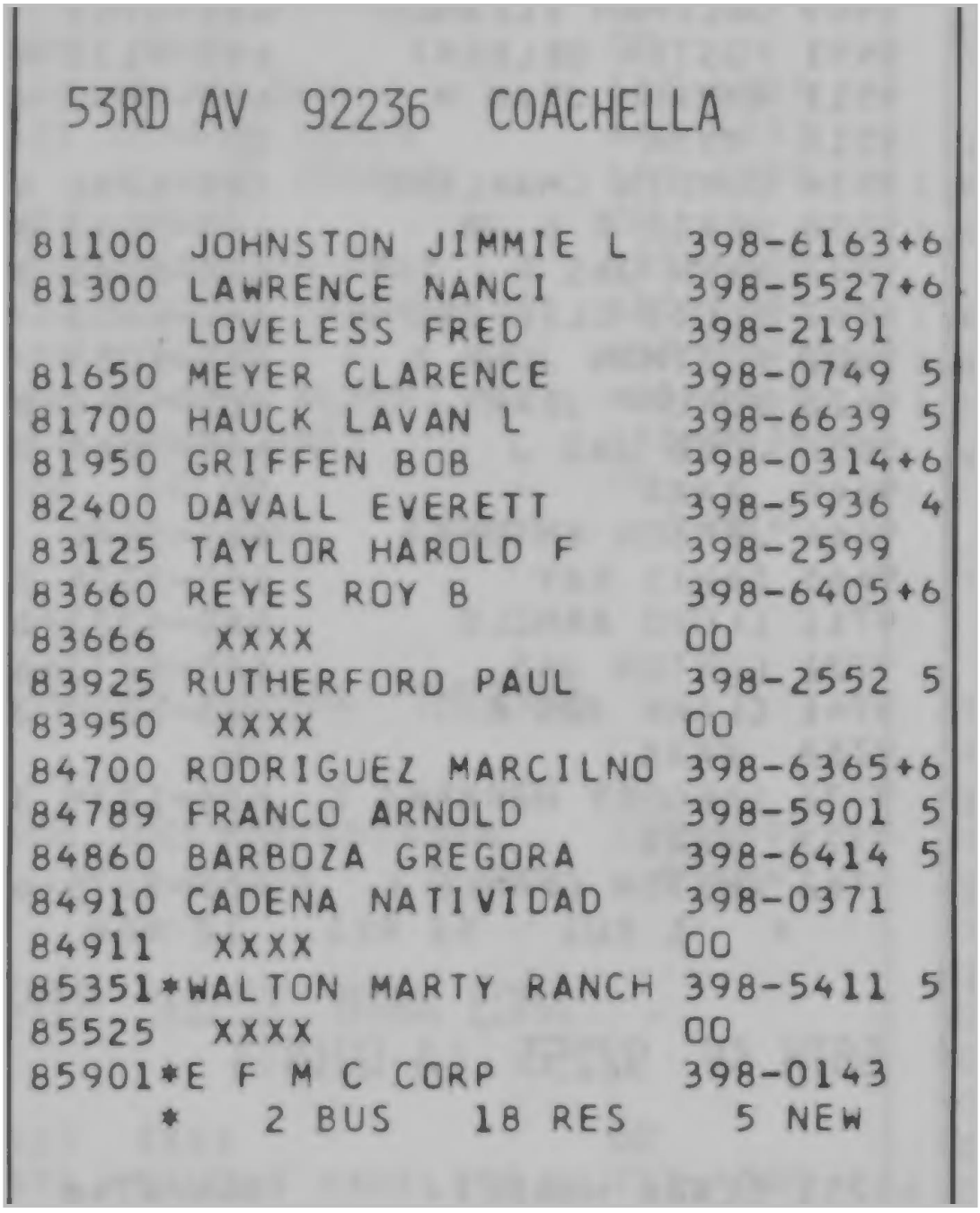
AVENUE 53 1980

53RD AV 92236
COACHELLA

81100★	**J L J HEREFORD RNCH**	**398-6163**	6
	JOHNSTON J L	398-6163	+0
81300	XXXX	00	
81470	COUSINS HAROLD	398-0883	
81650	XXXX	00	
81700	HAUCK LAVAN L	398-6639	5
81950	XXXX	00	
82375	DAVALL DAVID C	398-5336	+0
82400	DAVALL EVERETT	398-5936	4
83125	XXXX	00	
83285	XXXX	00	
83385	MAHR MARVIN E	398-5794	+0
83660	REEDER JERI	398-6035	+0
	REEDER JERRY	398-5612	7
83666	XXXX	00	
83925	RUTHERFORD PAUL	398-2552	5
83950	LOPEZ GUADALUPE	398-6330	8
84700	RODRIGUEZ MARCILNO	398-6575	8
84789	XXXX	00	
84860	XXXX	00	
84909	HERNANDEZ MIGUEL	398-5285	8
84910	CADENA NATIVIDAD	398-0371	
84911	XXXX	00	
85351★	**WALTON MARTY RANCH**	**398-5411**	5
85525	XXXX	00	
85575	ALVAREZ ARMANDO M	398-6296	9
85901★	**E F M C CORP**	**398-0143**	
★	3 BUS 24 RES	4 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

AVENUE 53 1976



53RD AV 92236 COACHELLA

81100	JOHNSTON JIMMIE L	398-6163+6
81300	LAWRENCE NANCI	398-5527+6
	LOVELESS FRED	398-2191
81650	MEYER CLARENCE	398-0749 5
81700	HAUCK LAVAN L	398-6639 5
81950	GRIFFEN BOB	398-0314+6
82400	DAVALL EVERETT	398-5936 4
83125	TAYLOR HAROLD F	398-2599
83660	REYES ROY B	398-6405+6
83666	XXXX	00
83925	RUTHERFORD PAUL	398-2552 5
83950	XXXX	00
84700	RODRIGUEZ MARCILNO	398-6365+6
84789	FRANCO ARNOLD	398-5901 5
84860	BARBOZA GREGORA	398-6414 5
84910	CADENA NATIVIDAD	398-0371
84911	XXXX	00
85351	*WALTON MARTY RANCH	398-5411 5
85525	XXXX	00
85901	*E F M C CORP	398-0143

* 2 BUS 18 RES 5 NEW

APPENDIX I

THE EDR BUILDING PERMIT REPORT

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

Inquiry Number: 7682206.8
June 14, 2024

EDR Building Permit Report

Target Property and Adjoining Properties

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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with any questions or comments.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Northgate Env. Management, Inc. on Jun 14, 2024.

TARGET PROPERTY

85901 AVENUE 53
COACHELLA, CA 92236

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Coachella

Year	Source	TP	Adjoining
2023	City of Coachella, Building and Engineering Departmen		
2022	City of Coachella, Building and Engineering Departmen		
2021	City of Coachella, Building and Engineering Departmen		
2020	City of Coachella, Building and Engineering Departmen		
2019	City of Coachella, Building and Engineering Departmen		
2018	City of Coachella, Building and Engineering Departmen		
2017	City of Coachella, Building and Engineering Departmen	X	
2016	City of Coachella, Building and Engineering Departmen		
2015	City of Coachella, Building and Engineering Departmen		
2014	City of Coachella, Building and Engineering Departmen		
2013	City of Coachella, Building and Engineering Departmen		
2012	City of Coachella, Building and Engineering Departmen	X	
2011	City of Coachella, Building and Engineering Departmen	X	
2010	City of Coachella, Building and Engineering Departmen	X	
2009	City of Coachella, Building and Engineering Departmen	X	
2008	City of Coachella, Building and Engineering Departmen	X	
2007	City of Coachella, Building and Engineering Departmen		
2006	City of Coachella, Building and Engineering Departmen		
2005	City of Coachella, Building and Engineering Departmen	X	
2004	City of Coachella, Building and Engineering Departmen		
2003	City of Coachella, Building and Engineering Departmen	X	
2002	City of Coachella, Building and Engineering Departmen		

Riverside County

Year	Source	TP	Adjoining
2024	Riverside County, Building and Safety	X	
2023	Riverside County, Building and Safety		
2022	Riverside County, Building and Safety		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
2021	Riverside County, Building and Safety		
2020	Riverside County, Building and Safety		
2019	Riverside County, Building and Safety		
2018	Riverside County, Building and Safety		
2017	Riverside County, Building and Safety		
2016	Riverside County, Building and Safety		
2015	Riverside County, Building and Safety		
2014	Riverside County, Building and Safety		
2013	Riverside County, Building and Safety		
2012	Riverside County, Building and Safety		
2011	Riverside County, Building and Safety		
2010	Riverside County, Building and Safety		
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1986	Riverside County, Building and Safety		
1985	Riverside County, Building and Safety		
1984	Riverside County, Building and Safety		
1983	Riverside County, Building and Safety		
1982	Riverside County, Building and Safety		
1981	Riverside County, Building and Safety		
1980	Riverside County, Building and Safety		
1979	Riverside County, Building and Safety		
1978	Riverside County, Building and Safety		
1977	Riverside County, Building and Safety		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1976	Riverside County, Building and Safety		
1975	Riverside County, Building and Safety		
1974	Riverside County, Building and Safety		
1973	Riverside County, Building and Safety		
1972	Riverside County, Building and Safety		
1971	Riverside County, Building and Safety		
1970	Riverside County, Building and Safety		
1969	Riverside County, Building and Safety		
1968	Riverside County, Building and Safety		
1967	Riverside County, Building and Safety		
1966	Riverside County, Building and Safety		
1965	Riverside County, Building and Safety		
1964	Riverside County, Building and Safety		
1963	Riverside County, Building and Safety		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Coachella
Years: 2002-2023
Source: City of Coachella, Building and Engineering Department, COACHELLA, CA
Phone: (760) 398-3002

Name: Riverside County
Years: 1963-2024
Source: Riverside County, Building and Safety, COACHELLA, CA
Phone: (951) 955-6742

Name: Indio
Years: 1967-2023
Source: City of Indio, Building and Safety, INDIO, CA
Phone: (760) 391-4110

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

85901 AVENUE 53
COACHELLA, CA 92236

85901 AVENUE 53

Date:	**2/23/2024**
Permit Type:	
Description:	**Armtec Defense**
Permit Description:	**Fire Commercial TI**
Work Class:	
Proposed Use:	
Permit Number:	FPCBP2400129
Status:	Assigned
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/28/2017**
Permit Type:	**plumb**
Description:	**INSTALL NEW WASTE WATER DISCHARGE PRE-TREATMENT SYSTEM TO EXISTING 8" SEWER LINE ON PROPERTY**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	PL-2016-08-00311
Status:	issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ESTERLINE DEFENSE TECHNOLOGIES

TARGET PROPERTY FINDINGS

Date: **6/20/2012**
Permit Type:
Description: **INSTALL IRRIGATION FOR THE TYLER STREET LANDSCAPING**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: PL-2012-06-00178
Status: issued
Valuation: $0.00
Contractor Company:
Contractor Name: DESERT CONCEPTS CONSTRUCTION I

Date: **1/4/2012**
Permit Type:
Description: **CONSTRUCT TWO (2) 900 SQ FT MASONRY STORAGE BUILDINGS WITH INTERIOR IMPROVEMENTS ELECTRICAL, MECHANICAL AND COPPER**

Permit Description: **MISCELLANEOUS BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: BL-2011-10-08837
Status: final
Valuation: $0.00
Contractor Company:
Contractor Name: DESERT CONCEPTS CONSTRUCTION I

Date: **12/6/2011**
Permit Type:
Description: **INSTALL ONE (1) STEAM BOILER 8,000,000 BTU**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: ME-2011-12-00156
Status: issued
Valuation: $0.00
Contractor Company:
Contractor Name: PORTER BOILER SERVICE

TARGET PROPERTY FINDINGS

Date: **2/24/2010**
Permit Type:
Description: **INSTALL GENERATOR FOR GUARD HOUSE (22KW)**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: EL-2010-02-00562
Status: issued
Valuation: $0.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **1/25/2010**
Permit Type:
Description: **CONNECT SEWER LINE TO GUARD HOUSE 160 SQ.FT. CURRENTLY UNDER CONSTRUCTION**

Permit Description: **MASTER BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: BL-2010-01-07734
Status: canceled
Valuation: $0.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **12/27/2009**
Permit Type:
Description: **Modify pitch of roof, replace A.C. unit**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4348
Status:
Valuation: $30,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **12/27/2009**
Permit Type:
Description: **Install concrete slab for drainage**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4349
Status:
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **12/20/2009**
Permit Type:
Description: **Relocate mobile trailer & electrical permit**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5032
Status:
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/14/2009**
Permit Type:
Description: **Construct a separation wall in Bldg. 10**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5002
Status:
Valuation: $80,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **11/12/2009**
Permit Type:
Description: **CONSTRUCT GUARD HOUSE 160 SQ.FT.**

Permit Description: **MASTER BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: BL-2009-09-07515
Status: issued
Valuation: $11,568.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **9/30/2009**
Permit Type:
Description: **INSTALL TEMPORARY CHAIN LINK FENCE 2,609 LIN. FT. @ 7 FT. HIGH**

Permit Description: **FENCE**
Work Class:
Proposed Use:
Permit Number: BL-2009-09-07569
Status: final
Valuation: $0.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **7/21/2009**
Permit Type:
Description: **Reroof Bldg. 1W**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4120
Status:
Valuation: $12,750.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/21/2009**
Permit Type:
Description: **Reroof Bldg. 1A**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4121
Status:
Valuation: $6,000.00
Contractor Company:
Contractor Name:

Date: **6/18/2009**
Permit Type:
Description: **Modifications and additions to Bldg. 6**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4102
Status:
Valuation: $21,700.00
Contractor Company:
Contractor Name:

Date: **4/25/2009**
Permit Type:
Description: **Modifications to office**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4012
Status:
Valuation: $11,600.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/27/2009**
Permit Type:
Description: **Construct reinforced building**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4532
Status:
Valuation: $150,000.00
Contractor Company:
Contractor Name:

Date: **3/23/2009**
Permit Type:
Description: **Enclose room**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 3978
Status:
Valuation: $12,000.00
Contractor Company:
Contractor Name:

Date: **3/21/2009**
Permit Type:
Description: **Construct concrete pad**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4481
Status:
Valuation: $50,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **2/3/2009**
Permit Type:
Description: **Construct unisex restroom in Bldg. 7**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 3901
Status:
Valuation: $12,500.00
Contractor Company:
Contractor Name:

Date: **2/3/2009**
Permit Type:
Description: **Install exit door**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 3902
Status:
Valuation: $3,700.00
Contractor Company:
Contractor Name:

Date: **2/2/2009**
Permit Type:
Description: **Construct concrete re-enforced pad**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 4392
Status:
Valuation: $20,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **1/5/2009**
Permit Type:
Description: **Construct loading dock**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 3796
Status:
Valuation: $30,000.00
Contractor Company:
Contractor Name:

Date: **6/5/2008**
Permit Type:
Description: **INSTALL PREFABRICATED METAL STORAGE BUILDING**

Permit Description: **MISCELLANEOUS BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: BL-2008-05-06632
Status: final
Valuation: $0.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **2/26/2008**
Permit Type:
Description: **CONSTRUCT 2000 SQ. FT. PRE-ENGINEER METAL BUILDING FOR STATIC INERT STORAGE**

Permit Description: **MASTER BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: BL-2007-12-06210
Status: final
Valuation: $55,000.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

TARGET PROPERTY FINDINGS

Date: **10/4/2005**
Permit Type:
Description: **Construct Office Addition (1760 sq.ft.)**

Permit Description: **MASTER BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: BL-2005-07-00771
Status: issued
Valuation: $117,568.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **8/9/2005**
Permit Type:
Description: **REMODEL 2,427 SQ.FT. OFFICE AREA**

Permit Description: **ALTERATIONS AND ADDITIONS**
Work Class:
Proposed Use:
Permit Number: BL-2005-08-00795
Status: issued
Valuation: $0.00
Contractor Company:
Contractor Name: ARMTEC DEFENSE PRODUCTS CO

Date: **10/9/2003**
Permit Type:
Description: **Shade Structure**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 6754
Status:
Valuation: $48,847.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **2/26/2003**
Permit Type:
Description: **Asphalt Parking Area**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5899
Status:
Valuation: $29,100.00
Contractor Company:
Contractor Name:

Date: **2/26/2003**
Permit Type:
Description: **Temporary Trailer**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5900
Status:
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **2/26/2003**
Permit Type:
Description: **Concrete Slab**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5901
Status:
Valuation: $8,800.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **2/26/2003**
Permit Type:
Description: **Construct N.C. Storage Buildings**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5902
Status:
Valuation: $41,130.00
Contractor Company:
Contractor Name:

Date: **2/26/2003**
Permit Type:
Description: **Temporary Trailer**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 5903
Status:
Valuation: $0.00
Contractor Company:
Contractor Name:

Date:
Permit Type:
Description: **Install xylene tank foundation**

Permit Description:
Work Class:
Proposed Use:
Permit Number: 7419
Status:
Valuation: $48,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

APPENDIX J

THE EDR PROPERTY TAX MAP REPORT

85901 AVENUE 53
85901 AVENUE 53
COACHELLA, CA 92236

Inquiry Number: 7682206.6
June 14, 2024

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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APPENDIX K

PHASE I ESA QUESTIONNAIRE

northgate
environmental management, inc.

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: 6/26/24

Your Name: Luz Rodriguez

Your Title: Environmental Specialist

Site Name: Armtec Defense Products

Site Location: Coachella, CA

Relationship to Site: ☐ **Owner** ☐ **Occupant** ☐ **Purchaser** ■ **Other (please explain)**

Length of Time Associated with Site: 24 years

Please review and complete this questionnaire which will assist Northgate in completing our site assessment. If sufficient space in not provided, please compete your response on a separate sheet of paper and attach it to this questionnaire.

1. Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

   ☐ Yes ■ No ☐ Unknown ☐ N/A

   If Yes, please explain:_____

   _____

2. Are you aware of any activity or land use limitations, such as engineering controls (for contaminant control), land use restrictions or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: _____

3. Do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Yes, I am the environmental specialist with related experience and knowledge of chemicals.

4. Are you aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

a) Do you know the past uses of the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: This site has remained the same since the start of the company, previously was just desert.

b) Do you know of specific chemicals that are present or once were present at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Yes, we have several chemicals on site. SDSs are available.

c) Do you know of chemical spills that have taken place at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Small controlled and contained spills

d) Do you know of any environmental cleanups that have taken place at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Underground xylene tank was leaking, excavated and now we have an above ground xylene tank

e) Do you know if any fill material has been imported to the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: _____

5. Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: _____

6. Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: _____

7. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

8. Based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

9. Does the Site's purchase price reasonably reflect the fair market value of the property?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If No, do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contamination known or believed to be present at the Site?

☐ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

10. Have any of the following documents been prepared for the Site and, if so, can copies be provided to Northgate:

- Environmental site assessment reports ☒ Yes ☐ No ☐ Copies available
- Environmental compliance audit reports ☒ Yes ☐ No ☐ Copies available
- Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, National Pollutant Discharge Elimination System permits, underground injection permits) ☒ Yes ☐ No ☐ Copies available
- Registrations for underground storage tanks (USTs) and/or above ground storage tanks (ASTs) ☒ Yes ☐ No ☐ Copies available
- Registrations for underground injection systems ☐ Yes ☒ No ☐ Copies available

- Material safety data sheets ☒ Yes ☐ No ☐ Copies available
- Community right-to-know plan ☒ Yes ☐ No ☐ Copies available
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc. ☒ Yes ☐ No ☐ Copies available
- Reports regarding hydrogeologic conditions on the Site or in the surrounding area
  ☒ Yes ☐ No ☐ Copies available
- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Site or relating to environmental liens encumbering the Site ☐ Yes ☒ No ☐ Copies available
- Hazardous waste generator notices or reports ☒ Yes ☐ No ☐ Copies available
- Risk assessments ☒ Yes ☐ No ☐ Copies available
- Recorded Activity and Use Limitations (e.g. deed restriction, asphalt cap)
  ☒ Yes ☐ No ☐ Copies available

If you know of specific chemicals or other hazardous materials (e.g., PCB associated with transformers, batteries, etc.) that are present or were once present at the property, how were they used, stored, and disposed?

Everything is used, stored and disposed within local, state and federal regulations and in the process of obtaining ISO 14001 certification.

Do you know of aboveground or underground storage tanks on the property? If yes, what did they contain?

We currently have an aboveground storage tank that contains xylene.

Do you have any knowledge or experience with nearby/adjacent properties? If yes, do you have knowledge of chemicals, releases, or cleanups on these properties?

No

How long have you owned, operated, leased, or been familiar the present and past uses of the property?

The company started in the 1960s.

Northgate Environmental appreciates your assistance on this project.

APPENDIX L

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

DERRICK S. WILLIS
PRINCIPAL II

Mr. Willis has over 24 years' experience serving both public sector and private clients in California and Canada on a wide variety of environmental projects. For the last several years, Mr. Willis' focus has been on formulating and facilitating closure and development strategies for large, complex, high profile, environmental projects for aerospace, industrial, and real estate development firms. Mr. Willis has extensive experience with due diligence/property transfer and development issues in a wide variety of industrial and regulatory settings. He is familiar with the industrial processes that generate environmental wastes, the fate and transport of chemicals in the environment, the potential adverse effects of these substances on human and ecological receptors, compliance challenges faced by business operators, the performance of remedial technologies, and how these issues play into site acquisition, development, and divestiture.

REPRESENTATIVE EXPERIENCE

Environmental Site Assessments

- ***RREEF, Multiple Sites, Southern California —*** Mr. Willis serves as client director for RREEF on multiple projects including acquisition studies (which include mold, asbestos and indoor air quality surveys), tenant audit programs, soil remediation, groundwater investigation and remediation, third party oversight, agency negotiation, and mold and asbestos abatement programs.
- ***Watson Land Company, Multiple Sites, Southern California —*** Mr. Willis has directed over 40 acquisition-related due diligence investigations for Watson Land Company (Watson). Scope of work has included Phase I ESAs, soil and groundwater investigations, risk evaluations, agency negotiation, and aiding Watson in evaluating and quantifying the potential risk associated with recognized environmental concerns.
- ***Various Clients, Various Locations, Southern California —*** Project manager for more than 200 Phase I environmental assessments (ESAs) for industrial facilities including aerospace, furniture and paper manufacturing factories; utility companies, vehicle and equipment maintenance facilities; and landfills as well former agricultural land. The objective of the ESAs was to evaluate and quantify potential liabilities associated with the acquisition and development of the properties.

Site Investigation and Remediation

- ***Kimco Realty Corporation, multiple locations in California and Nevada, –*** Serves Principal-in-Charge and program manager for investigation and remediation of several dry-cleaner sites in California (Cupertino, Daly City, Lakewood, and LaVerne) and Reno, Nevada. Projects range from investigation of soil impact to remediation of soil and groundwater. Mr. Willis is responsible for developing remedial strategies, negotiating with regulatory agencies, and providing technical direction to staff in order to evaluate and remediate site impacts, and bring sites to regulatory closure.

- ***Baker Cold Storage, Port of Long Beach Pier B Facility, California –*** Serves as project manager for investigation, remediation and redevelopment support of a 12-acre former wood treatment facility in the Port of Long Beach. The site is impacted with pentachlorophenol (PCP), metals, VOCs, and dioxins/furans. In addition, tidally influenced groundwater is impacted with PCP and petroleum hydrocarbons and methane charged from oilfield operations. Mr. Willis evaluated investigation data, managed a groundwater investigation program and develop a remedial approach for soil and groundwater. Mr. Willis successfully streamlined the regulatory process by aggregating the remedial work plans including RCRA closure of a drip pad, into one encompassing work plan (Soil and Groundwater Response Plan) and one Remedial Design Document ([RDD] that incorporated the facility design components into building mitigation design), and securing agency approvals on components of site construction concurrent with development of the RDD. Site is currently being developed with a 250,000 square-foot cold storage facility.
- ***RREEF, Villa Marina Marketplace, Marina Del Rey, California —*** Mr. Willis managed the design and installation of a groundwater treatment system to treat groundwater impacted from metals and selenium to meet NPDES discharge requirements for a basement dewatering system for a shopping center. He currently manages the operation, maintenance and reporting associated with the ongoing dewatering system.
- ***Black Mountain Industrial Complex Remedial Design and Implementation, Nevada –*** Served as project manager for expedited investigation and remediation program for the Tronox industrial facility within the BMI Complex. Previously the world's largest magnesium production facility during World War II, the site was later utilized for the manufacture of rocket fuel, other products, and most recently alkali and manganese oxide-based chemicals. Historical Industrial operations resulted in subsurface impacts from heavy metals, perchlorate, pesticides, chlorinated solvents, asbestos, radionuclides, and other chemicals. Developed streamlined investigation and remedial approach, prepared remedial plans, and rapidly mobilized and managed a team of staff and subcontractors to remove approximately 800,000 cubic yards of soil from the site to meet commercial soil cleanup goals for direct contact exposure in an expedited timeframe.
- ***Hawaii Wood Preserving Company Treatment Facility, Maui, Hawaii –*** Served as project manager, for decommissioning, investigation, remediation, and closure for a former wood treatment facility to allow for redevelopment. The site operated as from 1972 to 2001 to treat lumber with PCP, chromated copper arsenate (CCA), permithrin, and disodium octoborate. Chemicals were profiled, all equipment was decontaminated and ecommissioned, and verification sampling was conducted as part of decommissioning. A remedial investigation and remedial alternatives analysis was developed and implemented to investigate and develop a path-forward to closure. The implemented remedial approach consisted of site capping and long-term groundwater monitoring.
- ***Lockheed Martin Former International Light Metals Facility, Torrance, California —*** Served as project manager and principal investigator for a 67-acre aerospace facility where client objective was expedited redevelopment. The project included facility demolition, preparation and implementation of a Resource Conservation and Recovery Act (RCRA) closure plan for 11 permitted RCRA units, negotiations with the Department of Toxic Substance Control (DTSC), preparation of a RCRA Facility Assessment (RFA) (210 features identified that required intrusive investigation), implementation of a RCRA Facility Investigation (RFI) for soil and groundwater, preparation of a health-based risk assessment, and implementation of soil remediation. Site closure for soil was granted only three years after project initiation, in contrast to the normal six to eight year process, and has been used as an example by head DTSC officials as an example of

industry and the regulatory community working together to achieve expedited site closures for property redevelopment purposes. Mr. Willis also developed strategy for groundwater investigation and remediation and negotiated the corrective action consent agreement (CACA) with DTSC.

- ***Playa Capital Corporation, Playa Vista Development Project, Los Angeles, California —*** Mr. Willis served as program manager for the Playa Vista project, one of the largest and most visible brownfield development projects in the country. At 1,100 acres, it is the largest underway in Los Angeles County. His primary responsibility included environmental program management (including scoping, developing, scheduling, and tracking environmental activities for the development project), risk management (including developing and negotiating with agencies for appropriate cleanup criteria), remedial strategy/management (including development and implementation of pilot tests and oversight of investigation and remediation activities), agency/RP/buyer negotiations, consultant and contractor selection/oversight, coordination with Playa's infrastructure group on the development/implementation of integrated remedial approach where appropriate, litigation support, data management, and transactional support with respect to the sale of remediated parcels.
- ***Project Manager, Confidential Client, Buena Park, California —*** Served as project manager for multi-media remediation project at a commercial development in Buena Park, California. The site was a former food processing facility that was redeveloped into commercial offices and warehouse space. Evaluated the environmental liability for a Real Estate Investment Trust (REIT) that subsequently purchased the property, and managed remediation program in conjunction with site redevelopment.
- ***Project Manager, Brownfield Redevelopment, Torrance, California —*** Served as project manager for site redevelopment project for a PacTrust. Evaluated environmental liabilities associated with a 12-acre parcel that was part of a butadiene plant (Del Amo Superfund Site) left undeveloped as a brownfield, and formulated a strategy to expedite regulatory closure and redevelopment. A comprehensive investigation was completed on the parcel, and the report submitted to the Environmental Protection Agency (EPA) for review. Successfully negotiated with EPA to conduct a non-Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) closure program. Conducted soil remediation program under EPA oversight in conjunction with site construction activities.
- ***Project Manager, Investigation and Remediation Program, Safety Kleen, Vancouver, British Columbia, Canada —*** Managed remediation of former solvent recycler transfer stations in British Columbia and Alberta, Canada. Sites involved characterization and remediation of soil and perched groundwater zones. Assessed feasibility of vapor extraction for cleanup of vadose zone contamination, and designed and installed a dewatering system for perched water in former tank cavities and surficial saturated zone for Vancouver transfer station. Achieved regulatory site closure two years faster than previous consultant's estimate.
- ***Cupples Manufacturing, Investigation and Remediation Program, La Mirada, California —*** Project manager for soil/groundwater characterization and remediation program at a truck maintenance facility in La Mirada, California. Conducted an underground storage tank and clarifier removal program in conjunction with site characterization activities. Implemented remediation of soil and groundwater impacted with petroleum hydrocarbons. Negotiated and received closure from Regional Water Quality Control Board (RWQCB).
- ***Alberta Environment, Abandoned Wood Treatment Sites, Various Locations, Alberta, Canada —*** Project manager for the Wood Preserving Sites Characterization Program for Alberta

Environment. Performed site characterization of four former wood preservation sites in Alberta, Canada. The sites had been used for many years for treating wood poles and railroad ties with a pentachlorophenol/diesel mixture. Soil and/or groundwater were impacted at the sites. Soil borings and groundwater monitoring wells were installed, and laboratory analysis of soil and groundwater was performed, to help determine the lateral and vertical migration of dissolved-phase hydrocarbons in the groundwater and dense non-aqueous phase liquids (DNAPLs) through glacial tills and several non-confining layers. Detailed drilling and sampling plans were necessary to ensure correct evaluation of vertical DNAPL migration. Aquifer tests were performed and receptor data were collected in order to formulate a quantitative assessment of both health-based and environmental risk.

- ***Texaco Refining and Marketing Inc., Investigation and Remediation Programs, Various Locations, Southern California —*** Responsible for remediation programs at several petroleum retail outlets for Texaco in the southern California area. Projects included soil and groundwater investigation programs, underground storage tank (UST) removals, remedial design (including design and implementation of vapor extraction and aquifer tests), implementation of remedial program, and operation and maintenance of remediation systems. This included designing, specifying, permitting, and installing of all equipment (including piping, downhole pumps, off-gas treatment, and water treatment).
- ***Groundwater Contamination Investigation and Analysis, Technisol, Raymond, Alberta, Canada —*** Conducted a groundwater investigation program at a solvent recycling facility located in southern Alberta, Canada. The program was implemented to determine the lateral and vertical extent of several species of chlorinated volatile organic compounds present in the confined aquifer beneath the facility. Aquifer testing was performed to estimate migration rates and to provide preliminary data for remedial action. Successfully negotiated with Alberta Environment (lead regulatory agency) for monitored natural attenuation approach.
- ***Pier A Railyard, Port of Los Angeles, Los Angeles, California —*** Managed a soil and groundwater investigation program at a Port of Los Angeles rail transfer yard. The objective of the project was to characterize previously identified polynuclear aromatic compounds, volatile organic compounds, and petroleum hydrocarbons in the soil and groundwater, and identify any regulated building materials in the site structures in order to facilitate an expedited redevelopment program. The project was finished ahead of schedule and under budget.
- ***Soil and Groundwater Remediation, Texaco, Various Locations, Southern California —*** Conducted vapor extraction tests, performed data analysis, and generated recommendations for an industrial manufacturing facility to determine the viability of using vapor extraction for remediating chlorinated solvents, primarily tetrachloroethene (PCE), present in the soil beneath the facility. Each test was designed to assess air flow rates and vacuums, vertical interference and crossflow, radii of influence, potential for water upwelling, and effectiveness of vapor extraction in both vadose and capillary zones. Extracted vapors were collected to determine volatile organic compound concentrations. Data were used to determine well spacing and slotting intervals, optimum flow rate/vacuum combinations, extraction blower sizing, and vapor treatment equipment.
- ***Texaco, Various Locations, Southern California—*** Responsible for preparation of South Coast Air Quality Management District (SCAQMD) permitting, installation, operation and maintenance of thermal and catalytic oxidizers/vapor extraction systems for the remediation of soil (containing petroleum hydrocarbons) beneath operating service stations.

Litigation Support

- ***Litigation Support, Confidential Client, City of Commerce, California –*** Conducted site review of historical records, developed and implemented soil, soil vapor, and groundwater investigation, and developed Site Conceptual Model (SCM) for former aerospace facility that was now developed as a multi-tenant warehouse. Successful in being able reconstruct historical SCM to show that environmental impacts were caused by historic aerospace operations from the 1940s to 1960s and not from the more recent tenant operations. Provided information and deposition for property management firm's counsel.
- ***Mediation Support, Confidential Client, Los Angeles, California –*** Project manager for mediation support of insurance claim for cost reimbursement for handling, transportation and disposal of petroleum contaminated soil encountered during development of a high rise on a former hospital site. Work consisted of using photogrammetry and historical records to develop a volume of contaminated soil and expert witness report using spatial data analysis, rebuttal of expert witness reports, and expert witness testimony as part of mediation where a judgement was made in favor of our client for the full reimbursement cost.

EDUCATION

B.S., Geology, University of Alberta, Alberta, 1988

PROFESSIONAL HISTORY

Northgate Environmental Management, Principal, 2006–present
LFR Levine Fricke, Principal Hydrogeologist, 2002–2006
Integrated Environmental Services, Director of Operations/Senior Program Manager, 1999–2002
ARCADIS Geraghty & Miller, Inc. Senior Hydrogeologist, 1993–1999
Environmental Design Corporation, Vice President, 1992
Environmental Science & Engineering, Inc., Staff Geologist, 1991
Terracon Geotechnique, Ltd., Geologist, 1989–1991
Contract Positions, Various Locations, Geologist, 1988

REGISTRATIONS

Certified Environmental Manager, Nevada, No. EM 2252

JACOB A. LACY, CHMM, REM
ASSOCIATE ENVIRONMENTAL CONSULTANT

Mr. Lacy has an exceptional record of accomplishment in management and support of environmental projects and programs. Highly adept at coordinating activities across multiple initiatives. Special expertise in auditing, risk mitigation, regulatory analysis/enforcement, RCRA, and site remediation. Experienced at developing policies and procedures, performing research, and conducting presentations. Extensive knowledge of environmental regulations at the Federal level, as well as in Maryland and Virginia. Strong in building relationships with government representatives. Certified Hazardous Materials Manager (CHMM), Registered Environmental Manager (REM), Hazardous Waste Compliance Manager, and Environmental Management Systems Auditor.

REPRESENTATIVE EXPERIENCE

Consulting

- ***JBG Smith, Bethesda, Maryland*** — Coordinate environmental management and remediation activities for major DC based land developer from 2022-Current. Projects include management of contaminated soil, UST removal, and review of Phase I & Phase II reports. Assist in pre-construction activities including planning for soil disposal, regulatory interaction, and moisture/mold mitigation. Also provide guidance in Spill Prevention Control & Countermeasure issues, hazardous waste management & disposal, and planning for the abatement of hazardous building materials (typically asbestos).

- ***MDOT-Maryland Aviation Administration, Baltimore, Maryland*** — On-site Environmental Compliance & Permitting Support from 2015-2022. Served in an onsite staff capacity charged with the responsibility of managing and leading Environmental Compliance efforts for two State Owned Airports (BWI & Martin State). Independently and autonomously managed duel Hazardous Waste Programs, including storage, segregation, packaging, and maintaining an inventory of waste items. Scheduled waste removal events with various transporters, and rigidly tracked manifest. Produced Bi-Annual reports to regulatory authorities on behalf of the Client. Served on an Agency-wide Permit Committee, where contractor/tenant building permits were reviewed and evaluated for potential environmental hazards and impacts, including indoor air quality issues and hazardous building materials. Investigated issues associated with tenant and client Spill Prevention Control and Countermeasure Plans (SPCC) and directed resolution with responsible parties. Issues typically included improper storage & handling of fuels and chemicals. Authored Phase I reports for derelict properties purchased by the Airport Authority.

- ***MDOT-Motor Vehicle Administration, Glen Burnie, Maryland*** — Environmental Compliance & Support from 2014-2015. Revised a Spill Prevention Control and Countermeasure Plan (SPCC) covering all aboveground and underground storage tanks (37,800 gallons total) at the headquarters in Glen Burnie, MD. Updated a Compliance Focused Environmental Management System (EMS) manual which applied to the entire organization. Completed a beta test and data population of a new EMS document management system. Revised a stormwater management plan governing the activities associated with the facility's MS4 permit. Administered hazardous & universal waste management training.

- ***NASA Goddard Space Flight Center, Greenbelt, Maryland*** — Phase I Environmental Site Assessment completed in 2014. Performed a Phase I Environmental Site Assessment at a space satellite tracking facility located on the Goddard campus. Reviewed all accessible records

pertaining to the site and conducted a physical evaluation in addition to holding employee interviews to determine if any environmental hazards were present.

- ***Washington Suburban Sanitary Commission (WSSC), Laurel, Maryland*** — Right of Entry Coordinator from 2012-2015. Aided multiple engineering firms in obtaining entry permits for sanitary sewer infrastructure on private, public, and commercial properties. Worked closely with client (WSSC) and project teams to facilitate EPA-mandated sewer repairs. Communicate extensively with project engineers, government agencies, and consulting companies. Conduct property research and verify ownership. Resolved issues such as denial of entry by property owners and business concerns.

Electrical Utility

- ***Potomac Electric Power Company (PEPCO), Washington, DC*** — Sr. Environmental Program Manager from January through May 2022. Provided management and oversight of multiple environmental compliance programs for electrical power utility serving nearly 900,000 customers across the District of Columbia, as well as Montgomery & Prince Georges Counties in Maryland. Responsible for maintenance and oversight of Hazardous Waste Contingency Plans for three Service Centers designated as Large Quantity Generators. Also charged with ensuring compliance with hazardous waste storage and biennial reporting. Tasked with Tier II Reporting for over 40 transmission facilities (Substations). Conducted compliance inspections at various facilities including fleet maintenance, transformer maintenance, waste storage, and salvage yards.

Local Government

- ***City of Newport News Department of Engineering, Newport News, Virginia*** — Environmental Specialist II from 2004-2012. Coordinated environmental compliance programs for Engineering Dept. that manages and maintains entire infrastructure for 120-mile2 city. Planned and managed projects to remediate environmentally contaminated properties. Investigated and resolved environmental contamination from USTs and other compliance issues. Worked on projects related to State of Virginia's Chesapeake Bay Preservation Act (CBPA). Conducted compliance and program audits. Worked in conjunction with multiple departments. Reviewed residential and commercial construction plans and environmental studies for CBPA compliance.

EDUCATION

MS, Public Administration, Old Dominion University, 2011
BS, Environmental Science, Lynchburg College, 2004

PROFESSIONAL HISTORY

Northgate Environmental Management, Inc., Associate Environmental Consultant, (2022–present)
Potomac Electric Power Company (PEPCO), Senor Environmental Program Manager, 2022
AECOM, Environmental Scientist IV, 2016-2022
Straughan Environmental, Environmental Management Specialist, 2012-2016
City of Newport News, Environmental Specialist II, Dept. of Engineering, 2004-2012

REGISTRATIONS/CERTIFICATIONS/TRAINING

Certified Hazardous Materials Manager (CHMM), Institute of Hazardous Materials Management
Registered Environmental Manager (REM), National Registry of Environmental Professionals
Hazardous Waste Compliance Manager, Aarcher Institute of Environmental Training
Registered Asbestos Inspector, State of Maryland
Certificate in Environmental Management Systems (based on ISO 14001), Virginia Technical Center for Organizational & Technological Advancement
ISO 14001:2004 Environmental Management Systems Lead Auditor Training, British Standards Institute

Appendix F
Preliminary Hydrology

ARMTEC DEFENSE TECHNOLOGIES
COACHELLA, CA

PRELIMINARY HYDROLOGY REPORT

PREPARED FOR:
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COACHELLA, CA 92236
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FEBRUARY 3, 2025

Prepared Under the Supervision of:

2/3/25

James Bazua, PE
R.C.E. 58394
Expiration Date: December 31, 2026



ARMTEC DEFENSE TECHNOLOGIES

PRELIMINARY HYDROLOGY REPORT

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I PURPOSE AND SCOPE

II DESIGN METHODOLOGY

III RCFCD SYNTHETIC UNIT HYDROGRAPH CALCULATIONS

IV APPENDIX – REFERENCE MATERIAL

I. PURPOSE AND SCOPE

This report was prepared in support of the Armtec Defense Technologies Warehouse Expansion entitlement package submittal. The purpose of this preliminary report is to analyze the existing and proposed drainage patterns, discuss the on-site drainage design and size the proposed on-site drainage facilities to meet the City of Coachella drainage ordinance requirements.

Armtec Defense Technologies (Armtec) manufactures state-of-the-art combustible ordinance products at its facility located at 85091 Avenue 53 in Coachella, Riverside County, CA. The project includes the construction of new and expanded buildings within the existing footprint of the Armtec facility, which occupies the southwest corner of the intersection of Avenue 53 and Tyler Street. The facility consists of two parcels totaling approximately 52.65 acres in size, identified by assessor's parcel numbers (APNs) 778-420-013 (14.96 acres) and 778-390-008 (37.69 acres). Armtec's existing operations, utilized for industrial and manufacturing purposes, are located on the southern parcel (APN: 778-390-008).

Overall, the proposed project is anticipated to be completed in phases and includes the construction of new small and medium sized warehouses for both production and storage purposes, along with a new truck staging area. The project will incorporate the phasing of off-site street improvements required by the City along Tyler Street.

On the northern parcel (APN: 778-420-013), a new 15,000 SF warehouse will be constructed solely for storage purposes. This facility will remain unoccupied except when goods are moved in and out. The northern parcel will also include the construction of a new truck staging area and paved parking lot.

On the southern parcel (APN: 778-390-008), a new 3,000 SF production facility will be constructed for research and development activities. The southern parcel currently houses all of Armtec’s existing operations.

A separate surface infiltration type retention basin designed with the capacity to store storm runoff generated during the 100 year design storm tributary to each of the two new on-site facilities (15,000 SF warehouse and 3,000 SF research and production). Runoff that exceeds the capacity of the on-site retention basin storage systems in an emergency overflow condition, is designed to overflow onto perimeter public streets, Avenue 53 to the north and Tyler Street to the east, then east from Tyler Street following a dedicated drainage easement toward the Coachella Velley Stormwater Channel.

II. DESIGN METHODOLOGY AND CALCULATIONS

Riverside County Flood Control District Synthetic Unit Hydrograph methods are used to quantify the runoff volume generated and stored on-site during the 100 year “worst case” design storm return period. The program data and results prepared for this project are included in the Appendix of this report. The program model typically accounts for the volume of runoff lost due to infiltration in the basins and the allowable design retention basin infiltration rate of 10 gal./s.f./day (0.67 in/hr) established by City of Coachella will be applied over the surface area of the basin bottoms. The capacity of the on-site basins will be compared to the total design runoff volume generated over the two separate on-site development areas to show that runoff generated during the 100 year design storm can be

stored within the basins at a depth not to exceed 3.5ft and the runoff generated during the 10 year storm event can be stored within the on-site basins at a depth not to exceed 1.5 feet in accordance with City of Coachella retention basin criteria.

The northern parcel where the 15,000 SF warehouse and associated improvements will be constructed is currently vacant. Storm water tributary to this improvement area will be directed via surface flow to a new infiltration type retention basin. The southern parcel is developed in its existing condition housing all of Armtec's existing operations and includes existing infiltration type surface retention basins. The new 3,000 SF research and development facility and associated improvements will be constructed adjacent to an existing retention basin currently providing storm water storage for a portion of the existing site. New improvements in this portion of the site will include expansion and realignment of the existing retention basin to provide capacity to store the additional runoff generated due to the new development and addition of impervious surface area.

City of Coachella requires that runoff water stored on-site must be evacuated completely via infiltration within a period of 72 hours in order to comply with vector control concerns. In order to help facilitate this requirement, City of Coachella has limited the maximum depth of stored runoff within any basin to 3.5 feet and establishes a design infiltration rate for basin storage at 10 gal./s.f./day (0.67 in/hr), thereby ensuring total evacuation of the basins via infiltration within the required period.

DESIGN CRITERIA

The following Riverside County Flood Control District (RCFCD) parameters were used in the preparation of the analyses:

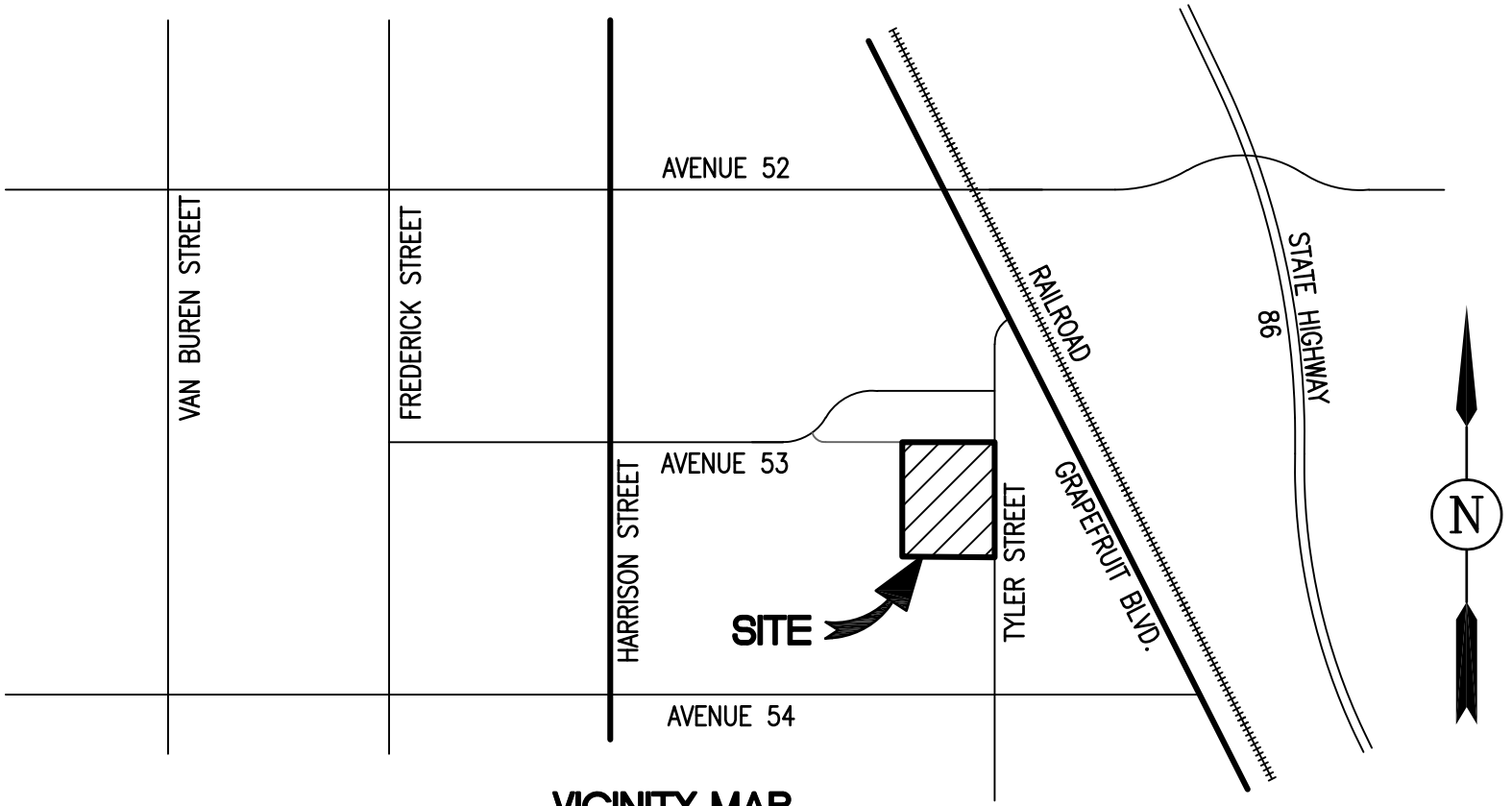
- 10 year – 3 hour Precipitation 0.992" (NOAA)
- 10 year – 6 hour Precipitation 1.29" (NOAA)
- 10 year – 24 hour Precipitation 2.09" (NOAA)
- 100 year – 3 hour Precipitation 2.04" (NOAA)
- 100 year – 6 hour Precipitation 2.73" (NOAA)
- 100 year – 24 hour Precipitation 4.28" (NOAA)
- Hydrologic Soil Type "B" US Dept. of Agriculture, SCS
- Runoff Index Number 56 (RCFC&WCD Plate E-6.1)
- Assumed Design Percolation Rate 0.67 in/hr

III RCFCD SYNTHETIC UNIT HYDROGRAPH CALCULATED RETENTION VOLUMES

SUBAREA	100 YR. VOLUME REQUIRED (CU.FT.)	BASIN VOLUME PROVIDED (CU.FT.)	100 YR. BASIN STORAGE DEPTH	10 YR. BASIN STORAGE DEPTH
NORTH (15,000 SF FACILITY)	18,216	21,778	3.04’	0.74’

SUBAREA	EXISTING BASIN VOLUME (CU.FT.)	100 YR. ADDITIONAL VOLUME REQUIRED (CU.FT.)	BASIN ADDITIONAL VOLUME PROVIDED (CU.FT.)	100 YR. BASIN STORAGE DEPTH INCREASE	10 YR. BASIN STORAGE DEPTH INCREASE
SOUTH (3,000 SF FACILITY)	169,929	9,142	32,822	0.17’	0.04’ (0.5 in)

IV APPENDIX

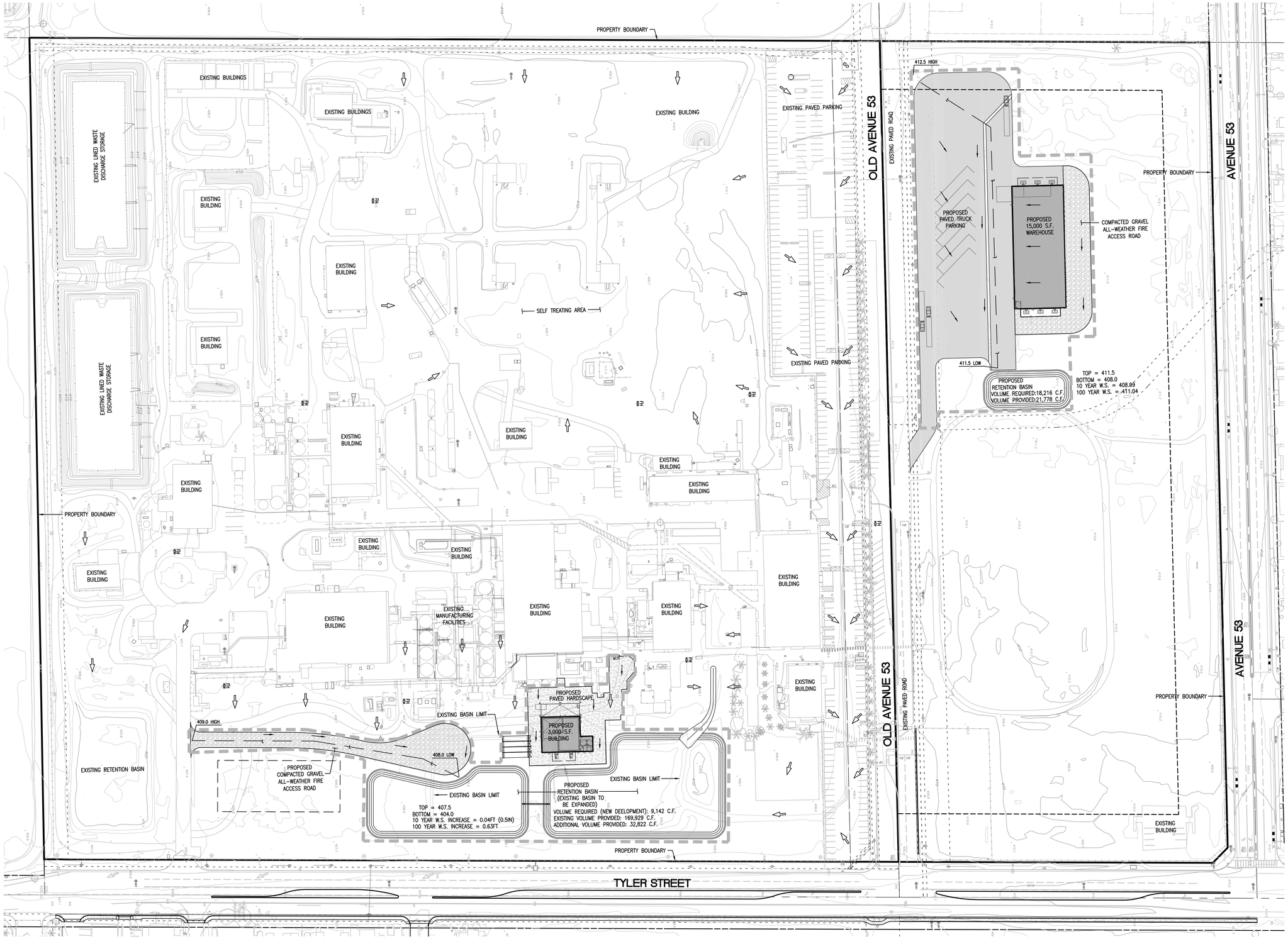


VICINITY MAP

NOT TO SCALE

PRELIMINARY HYDROLOGY/WATER QUALITY MANAGEMENT MAP

IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



LEGEND

- SUBAREA BOUNDARY
- DIRECTIONAL DRAINAGE ARROWS
- HISTORICAL DRAINAGE PATH
- L — LENGTH OF WATERCOURSE

NOAA POINT RAINFALL DATA

10 YEAR – 3 HR = 0.992 IN. 100 YEAR – 3 HR = 2.04 IN.
10 YEAR – 6 HR = 1.29 IN. 100 YEAR – 6 HR = 2.73 IN.
10 YEAR – 24 HR = 2.09 IN. 100 YEAR – 24 HR = 4.28 IN.

INFILTRATION RATE

DESIGN INFILTRATION RATE = 0.67 IN/HR
(PER CITY OF COACHELLA STANDARDS)

HYDROLOGIC SOIL GROUP

HYDROLOGIC SOIL GROUP "B"

SITE DATA

15,000 S.F. WAREHOUSE SUBAREA

AREA = 3.20 ACRES

EXISTING IMPERVIOUS AREA: 0.0 AC. = 0.0%
EXISTING PERVIOUS AREA: 3.20 AC. = 100%

PROPOSED IMPERVIOUS AREA: 2.37 AC. = 74%
PROPOSED PERVIOUS AREA: 0.83 AC. = 26%

3,000 S.F. WAREHOUSE SUBAREA

AREA = 2.68 ACRES

EXISTING IMPERVIOUS AREA: 0.0 AC. = 0.0%
EXISTING PERVIOUS AREA: 2.68 AC. = 100%

PROPOSED IMPERVIOUS AREA: 0.65 AC. = 24%
PROPOSED PERVIOUS AREA: 2.03 AC. = 76%

LENGTH OF WATERCOURSE (L) = 430'

EXISTING RETENTION BASIN VOLUME = 169,929 CU.FT.
PROPOSED RETENTION BASIN VOLUME = 202,751 CU.FT.
ADDITIONAL RETENTION VOLUME REQUIRED = 9,465 CU.FT.
ADDITIONAL RETENTION VOLUME PROVIDED = 32,822 CU.FT.

GRAPHIC SCALE
SCALE 1"=60'
0 30 60 120 180 240

PREPARED BY:
The Altum Group
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ENGINEERING | PLANNING | SURVEY | ENVIRONMENTAL

CITY OF COACHELLA, CALIFORNIA

PRELIMINARY HYDROLOGY/ WATER QUALITY MANAGEMENT PLAN

FOR: ARMTEC INDUSTRIES EXPANSION

SHEET NO.

Plotted: Feb 01, 2025 - 2:33pm DWG L:\projects\C1967 Armtec Defense Technologies\engineering\reports\HYDROLOGY\C1967 PWQMP.dwg

NOAA Atlas 14, Volume 6, Version 2
Location name: Coachella, California, USA*
Latitude: 33.662°, Longitude: -116.1684°
Elevation: -91 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.061** (0.051-0.074)	**0.097** (0.081-0.118)	**0.148** (0.123-0.180)	**0.192** (0.158-0.235)	**0.255** (0.203-0.323)	**0.307** (0.239-0.397)	**0.362** (0.275-0.481)	**0.423** (0.312-0.578)	**0.511** (0.362-0.728)	**0.584** (0.399-0.863)
10-min	**0.088** (0.073-0.106)	**0.140** (0.117-0.169)	**0.212** (0.177-0.258)	**0.275** (0.227-0.337)	**0.365** (0.291-0.463)	**0.440** (0.343-0.569)	**0.519** (0.395-0.689)	**0.606** (0.448-0.828)	**0.732** (0.518-1.04)	**0.837** (0.572-1.24)
15-min	**0.106** (0.088-0.128)	**0.169** (0.141-0.205)	**0.257** (0.214-0.312)	**0.333** (0.274-0.407)	**0.442** (0.352-0.560)	**0.532** (0.415-0.689)	**0.628** (0.478-0.834)	**0.733** (0.542-1.00)	**0.885** (0.627-1.26)	**1.01** (0.692-1.50)
30-min	**0.149** (0.124-0.180)	**0.237** (0.198-0.287)	**0.360** (0.300-0.438)	**0.467** (0.385-0.572)	**0.620** (0.494-0.786)	**0.746** (0.582-0.966)	**0.881** (0.670-1.17)	**1.03** (0.760-1.40)	**1.24** (0.880-1.77)	**1.42** (0.971-2.10)
60-min	**0.209** (0.174-0.252)	**0.333** (0.278-0.403)	**0.506** (0.421-0.614)	**0.655** (0.540-0.802)	**0.870** (0.693-1.10)	**1.05** (0.816-1.36)	**1.24** (0.940-1.64)	**1.44** (1.07-1.97)	**1.74** (1.23-2.48)	**1.99** (1.36-2.94)
2-hr	**0.288** (0.241-0.349)	**0.433** (0.361-0.524)	**0.646** (0.537-0.785)	**0.839** (0.692-1.03)	**1.14** (0.904-1.44)	**1.39** (1.08-1.80)	**1.68** (1.28-2.23)	**2.00** (1.48-2.74)	**2.50** (1.77-3.57)	**2.94** (2.01-4.35)
3-hr	**0.351** (0.293-0.424)	**0.514** (0.429-0.623)	**0.762** (0.633-0.925)	**0.992** (0.818-1.22)	**1.35** (1.08-1.71)	**1.67** (1.30-2.17)	**2.04** (1.55-2.71)	**2.47** (1.82-3.37)	**3.13** (2.22-4.47)	**3.73** (2.55-5.51)
6-hr	**0.466** (0.389-0.563)	**0.672** (0.561-0.814)	**0.992** (0.825-1.20)	**1.29** (1.07-1.58)	**1.78** (1.42-2.25)	**2.22** (1.73-2.87)	**2.73** (2.07-3.62)	**3.33** (2.46-4.55)	**4.30** (3.04-6.13)	**5.18** (3.54-7.65)
12-hr	**0.553** (0.462-0.669)	**0.813** (0.678-0.985)	**1.21** (1.01-1.47)	**1.58** (1.31-1.94)	**2.18** (1.74-2.76)	**2.71** (2.12-3.52)	**3.33** (2.53-4.43)	**4.06** (3.00-5.55)	**5.21** (3.69-7.44)	**6.26** (4.28-9.24)
24-hr	**0.702** (0.621-0.809)	**1.06** (0.937-1.22)	**1.60** (1.41-1.85)	**2.09** (1.83-2.44)	**2.85** (2.42-3.44)	**3.52** (2.93-4.33)	**4.28** (3.48-5.39)	**5.16** (4.08-6.67)	**6.51** (4.94-8.76)	**7.71** (5.66-10.7)
2-day	**0.799** (0.707-0.922)	**1.23** (1.09-1.42)	**1.85** (1.63-2.14)	**2.40** (2.10-2.80)	**3.24** (2.74-3.90)	**3.95** (3.28-4.85)	**4.73** (3.84-5.95)	**5.61** (4.43-7.25)	**6.93** (5.26-9.31)	**8.05** (5.91-11.2)
3-day	**0.860** (0.761-0.992)	**1.33** (1.18-1.53)	**2.00** (1.76-2.31)	**2.59** (2.26-3.02)	**3.46** (2.93-4.17)	**4.19** (3.48-5.15)	**4.99** (4.05-6.27)	**5.87** (4.64-7.59)	**7.18** (5.45-9.65)	**8.28** (6.08-11.5)
4-day	**0.911** (0.806-1.05)	**1.41** (1.24-1.63)	**2.11** (1.86-2.44)	**2.73** (2.39-3.18)	**3.63** (3.08-4.38)	**4.39** (3.64-5.39)	**5.20** (4.22-6.54)	**6.10** (4.82-7.89)	**7.42** (5.63-9.98)	**8.53** (6.26-11.8)
7-day	**0.976** (0.863-1.12)	**1.49** (1.32-1.72)	**2.22** (1.96-2.57)	**2.86** (2.50-3.33)	**3.78** (3.20-4.56)	**4.55** (3.78-5.59)	**5.37** (4.36-6.76)	**6.28** (4.96-8.11)	**7.60** (5.76-10.2)	**8.69** (6.38-12.1)
10-day	**1.01** (0.894-1.16)	**1.54** (1.36-1.78)	**2.28** (2.01-2.64)	**2.93** (2.56-3.42)	**3.87** (3.28-4.66)	**4.64** (3.85-5.70)	**5.47** (4.44-6.88)	**6.38** (5.04-8.25)	**7.71** (5.85-10.4)	**8.81** (6.47-12.2)
20-day	**1.09** (0.962-1.25)	**1.67** (1.47-1.92)	**2.47** (2.18-2.86)	**3.16** (2.77-3.69)	**4.17** (3.53-5.02)	**4.99** (4.15-6.14)	**5.88** (4.77-7.39)	**6.84** (5.40-8.83)	**8.23** (6.24-11.1)	**9.38** (6.88-13.0)
30-day	**1.15** (1.02-1.33)	**1.79** (1.58-2.06)	**2.67** (2.35-3.09)	**3.43** (3.00-4.00)	**4.52** (3.83-5.45)	**5.42** (4.50-6.66)	**6.38** (5.17-8.02)	**7.41** (5.86-9.58)	**8.91** (6.76-12.0)	**10.1** (7.45-14.1)
45-day	**1.26** (1.12-1.46)	**1.99** (1.76-2.30)	**2.99** (2.64-3.46)	**3.86** (3.37-4.50)	**5.10** (4.32-6.14)	**6.12** (5.08-7.52)	**7.20** (5.84-9.06)	**8.38** (6.62-10.8)	**10.1** (7.64-13.5)	**11.5** (8.41-15.9)
60-day	**1.33** (1.18-1.53)	**2.12** (1.88-2.45)	**3.22** (2.84-3.72)	**4.16** (3.64-4.85)	**5.51** (4.67-6.64)	**6.62** (5.49-8.13)	**7.79** (6.32-9.80)	**9.07** (7.16-11.7)	**10.9** (8.27-14.7)	**12.4** (9.10-17.2)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical

Item 3.

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC

Cover Type (3)	Quality of Cover (2)	Soil Group A	B	C	D
NATURAL COVERS -					
Barren (Rockland, eroded and graded land)		78	86	91	93
Chaparrel, Broadleaf (Manzonita, ceanothus and scrub oak)	Poor	53	70	80	85
	Fair	40	63	75	81
	Good	31	57	71	78
Chaparrel, Narrowleaf (Chamise and redshank)	Poor	71	82	88	91
	Fair	55	72	81	86
Grass, Annual or Perennial	Poor	67	78	86	89
	Fair	50	69	79	84
	Good	38	61	74	80
Meadows or Cienegas (Areas with seasonally high water table, principal vegetation is sod forming grass)	Poor	63	77	85	88
	Fair	51	70	80	84
	Good	30	58	72	78
Open Brush (Soft wood shrubs - buckwheat, sage, etc.)	Poor	62	76	84	88
	Fair	46	66	77	83
	Good	41	63	75	81
Woodland (Coniferous or broadleaf trees predominate. Canopy density is at least 50 percent)	Poor	45	66	77	83
	Fair	36	60	73	79
	Good	28	55	70	77
Woodland, Grass (Coniferous or broadleaf trees with canopy density from 20 to 50 percent)	Poor	57	73	82	86
	Fair	44	65	77	82
	Good	33	58	72	79
URBAN COVERS -					
Residential or Commercial Landscaping (Lawn, shrubs, etc.)	Good	32	56	69	75
Turf (Irrigated and mowed grass)	Poor	58	74	83	87
	Fair	44	65	77	82
	Good	33	58	72	79
AGRICULTURAL COVERS -					
Fallow (Land plowed but not tilled or seeded)		76	85	90	92

RCFC & WCD
HYDROLOGY MANUAL

RUNOFF INDEX NUMBERS FOR PERVIOUS AREAS

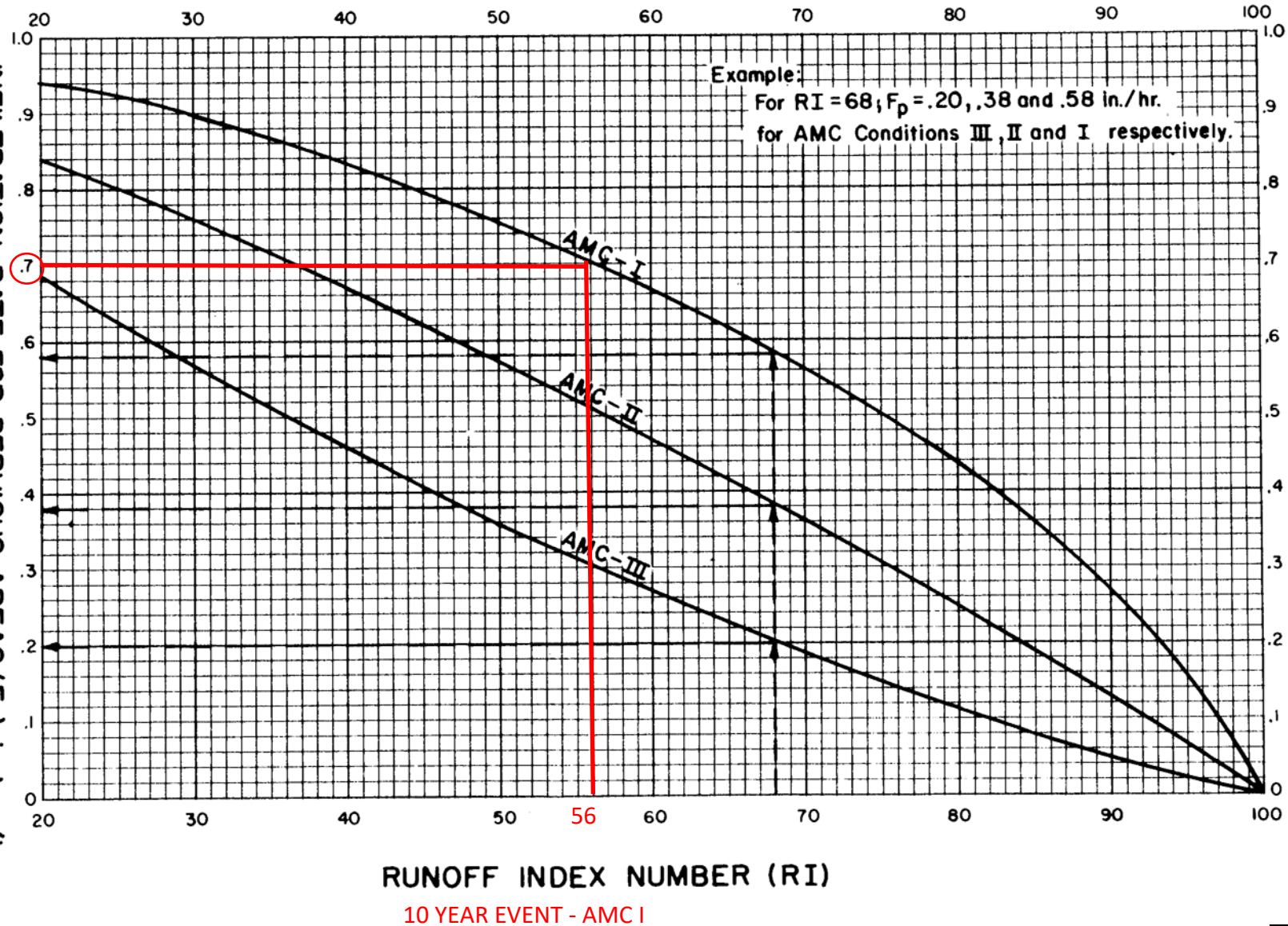
PLATE E-6.1 (1 of

RCFC & WCD

HYDROLOGY MANUAL

NOTES:

1. R.I. Number - Infiltration relationships are derived from rainfall - runoff relationships in Bibliography item No. 36.



INFILTRATION RATE FOR PERVIOUS AREAS VERSUS RUNOFF INDEX NUMBERS

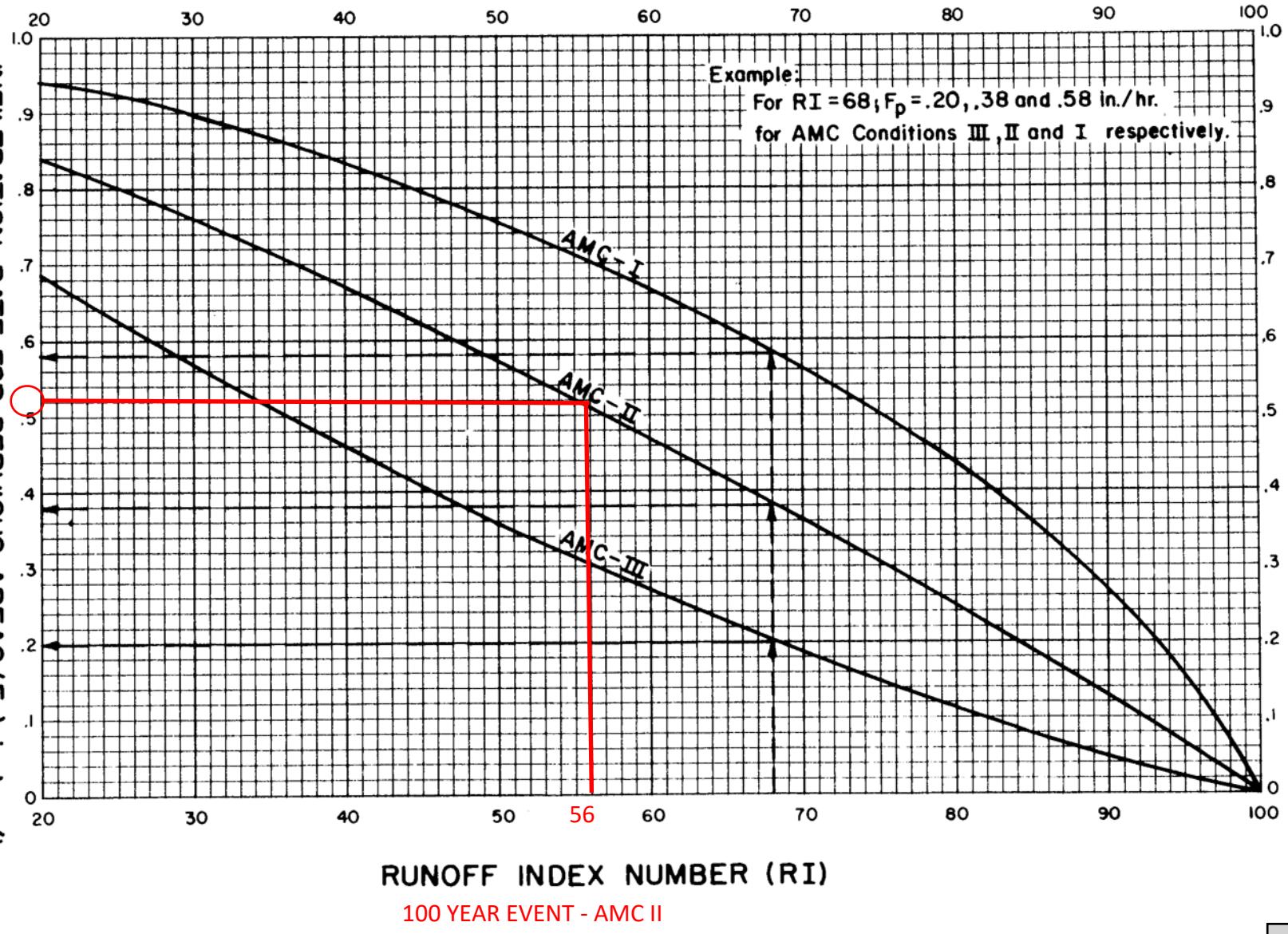
PLATE E-6.2

RCFC & WCD

HYDROLOGY MANUAL

NOTES:

1. R.I. Number - Infiltration relationships are derived from rainfall - runoff relationships in Bibliography item No. 36.



100 YEAR EVENT - AMC II

INFILTRATION RATE FOR PERVIOUS AREAS VERSUS RUNOFF INDEX NUMBERS

PLATE E-6.2

	A	B	C	D
1	**RCFC&WCD SHORTCUT UNIT HYDROGRAPH METHOD**			
2	DATA INPUT SHEET			
3				
4	WORKSHEET PREPARED BY:	JAMES R. BAZUA, P.E.		
5				
6	PROJECT NAME	ARMTEC DEFENSE TECHNOLOGY - 10 YEAR		
7	JOB #			
8				
9	CONCENTRATION POINT DESIGNATION	1		
10	AREA DESIGNATION	15000 SF BUILDING		
11				
12	TRIBUTARY AREAS	ACRES		
13				
14	COMMERCIAL			
15	PAVING/HARDSCAPE	2.37		
16	SF - 1 ACRE			
17	SF - 1/2 ACRE			
18	SF - 1/4 ACRE			
19	MF - CONDOMINIUMS			
20	MF - APARTMENTS			
21	MOBILE HOME PARK			
22	LANDSCAPING			
23	RETENTION BASIN	0.83		
24	GOLF COURSE			
25	MOUNTAINOUS			
26	LOW LOSS RATE (PERCENT)	90%		
27				
28	LENGTH OF WATERCOURSE (L)	480		
29	LENGTH TO POINT OPPOSITE CENTROID (Lca)	65		
30				
31	ELEVATION OF HEADWATER	412.5		
32	ELEVATION OF CONCENTRATION POINT	411.5		
33				
34	AVERAGE MANNINGS 'N' VALUE	0.02		
35				
36	STORM FREQUENCY (YEAR)	100		
37				
38	POINT RAIN			
39	3-HOUR	0.992		
40	6-HOUR	1.29		
41	24-HOUR	2.09		
42				
43	BASIN CHARACTERISTICS:	ELEVATION	AREA	
44		408	4560	
45		409	5470	
46		410	6430	
47		411	7470	
48		411.5	7980	
49				
50				
51				
52	PERCOLATION RATE (in/hr)	0.67		
53				
54	DRYWELL DATA			
55	NUMBER USED			
56	PERCOLATION RATE (cfs)			

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
BASIC DATA CALCULATION FORM
SHORTCUT METHOD

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
JOB # 0
BY ES R. BAZUA, P.E. DATE 2/2/2025

PHYSICAL DATA

[1] CONCENTRATION POINT	1
[2] AREA DESIGNATION	15000 SF BUILDING
[3] AREA - ACRES	3.200
[4] L-FEET	480
[5] L-MILES	0.091
[6] La-FEET	65.00
[7] La-MILES	0.012
[8] ELEVATION OF HEADWATER	412.5
[9] ELEVATION OF CONCENTRATION POINT	411.5
[10] H-FEET	1
[11] S-FEET/MILE	11.0
[12] S^0.5	3.32
[13] L*LCA/S^0.5	0.000
[14] AVERAGE MANNINGS 'N'	0.02
[15] LAG TIME-HOURS	0.02
[16] LAG TIME-MINUTES	1.4
[17] 100% OF LAG-MINUTES	1.4
[18] 200% OF LAG-MINUTES	2.8
[19] UNIT TIME-MINUTES (100%-200% OF LAG)	5
[24] TOTAL PERCOLATION RATE (cfs)	0.07

RAINFALL DATA

[1] SOURCE
[2] FREQUENCY-YEARS 100
[3] DURATION:

3-HOURS				6-HOURS				24-HOURS			
[4] POINT RAIN INCHES (Plate E-5.2)	[5] AREA	[6]	[7] AVERAGE POINT RAIN INCHES	[8] POINT RAIN INCHES (Plate E-5.4)	[9] AREA	[10]	[11] AVERAGE POINT RAIN INCHES	[12] POINT RAIN INCHES (Plate E-5.6)	[13] AREA	[14]	[15] AVERAGE POINT RAIN INCHES
0.99	3.200	1.00	0.99	1.29	3.200	1.00	1.29	2.09	3.200	1.00	2.09
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
SUM [5]	3.2	SUM [7]	0.99	SUM [9]	3.20	SUM [11]	1.29	SUM [13]	3.20	SUM [15]	2.09
[16] AREA ADJ FACTOR			1.000				1.000				1.000
[17] ADJ AVG POINT RAIN			0.99				1.29				2.09

STORM EVENT SUMMARY

DURATION		3-HOUR	6-HOUR	24-HOUR
EFFECTIVE RAIN	(in)	0.38	0.37	0.24
FLOOD VOLUME	(cu-ft)	4,424	4,333	2,799
	(acre-ft)	0.10	0.10	0.06
REQUIRED STORAGE	(cu-ft)	3,716	3,218	475
	(acre-ft)	0.09	0.07	0.01
PEAK FLOW	(cfs)	2.38	2.03	0.27
MAXIMUM WSEL	(ft)	408.74	408.64	408.09

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD

PROJECT ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1
BY MES R. BAZUA, P.E. DATE 2/2/2025

ADJUSTED LOSS RATE

SOIL GROUP [Plate C-1]	LAND USE	RI NUMBER [Plate E-6.1]	PERVIOUS AREA INFILTRATION RATE (in/hr) [Plate E-6.2]	DECIMAL PERCENT OF AREA IMPERVIOUS [Plate E-6.3]	ADJUSTED INFILTRATION RATE (in/hr)	AREA		AVERAGE ADJUSTED INFILTRATION RATE (in/hr)
B	COMMERCIAL	56	0.70	90%	0.13	0.00	0.000	0.0000
B	PAVING/HARDSCAPE	56	0.70	100%	0.07	2.37	0.741	0.0518
B	SF - 1 ACRE	56	0.70	20%	0.57	0.00	0.000	0.0000
B	SF - 1/2 ACRE	56	0.70	40%	0.45	0.00	0.000	0.0000
B	SF - 1/4 ACRE	56	0.70	50%	0.39	0.00	0.000	0.0000
B	MF - COND0MINIUMS	56	0.70	65%	0.29	0.00	0.000	0.0000
B	MF - APARTMENTS	56	0.70	80%	0.20	0.00	0.000	0.0000
B	MOBILE HOME PARKS	56	0.70	75%	0.23	0.00	0.000	0.0000
B	LANDSCAPING	56	0.70	0%	0.70	0.00	0.000	0.0000
B	RETENTION BASINS	56	0.70	0%	0.70	0.83	0.259	0.1816
B	GOLF COURSE	56	0.70	0%	0.70	0.00	0.000	0.0000
D	MOUNTAINOUS	93	0.70	90%	0.13	0.00	0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					SUM	3.2	SUM	0.2334

VARIABLE LOSS RATE CURVE (24-HOUR STORM ONLY)

Fm= 0.116703125
C= 0.00216

Ft=C(24-(T/60))^1.55 = 0.00216 (24-(T/60))^1.55 + 0.12 in/hr

LOW LOSS RATE (80-90 PERCENT) = 90%

Where:

T=Time in minutes. To get an average value for each unit time period, Use T=1/2 the unit time for the first time period,
T=1 1/2 unit time for the second period, etc.

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 3 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: IES R. BAZUA, DATE 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.20
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.38
UNIT TIME-PERCENT OF LAG	362.1
TOTAL ADJUSTED STORM RAIN-INCHES	0.99
CONSTANT LOSS RATE-in/hr	0.23
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.07 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	1.3	0.155	0.23	0.14	0.02	0.05	0.00
2	10	0.17	1.3	0.155	0.23	0.14	0.02	0.05	0.00
3	15	0.25	1.1	0.131	0.23	0.12	0.01	0.04	0.00
4	20	0.33	1.5	0.179	0.23	0.16	0.02	0.06	0.00
5	25	0.42	1.5	0.179	0.23	0.16	0.02	0.06	0.00
6	30	0.50	1.8	0.214	0.23	0.19	0.02	0.07	0.00
7	35	0.58	1.5	0.179	0.23	0.16	0.02	0.06	0.00
8	40	0.67	1.8	0.214	0.23	0.19	0.02	0.07	0.00
9	45	0.75	1.8	0.214	0.23	0.19	0.02	0.07	0.00
10	50	0.83	1.5	0.179	0.23	0.16	0.02	0.06	0.00
11	55	0.92	1.6	0.190	0.23	0.17	0.02	0.06	0.00
12	60	1.00	1.8	0.214	0.23	0.19	0.02	0.07	0.00
13	65	1.08	2.2	0.262	0.23	0.24	0.03	0.09	6.13
14	70	1.17	2.2	0.262	0.23	0.24	0.03	0.09	6.13
15	75	1.25	2.2	0.262	0.23	0.24	0.03	0.09	6.13
16	80	1.33	2.0	0.238	0.23	0.21	0.00	0.01	0.00
17	85	1.42	2.6	0.310	0.23	0.28	0.08	0.24	51.84
18	90	1.50	2.7	0.321	0.23	0.29	0.09	0.28	63.27
19	95	1.58	2.4	0.286	0.23	0.26	0.05	0.17	28.98
20	100	1.67	2.7	0.321	0.23	0.29	0.09	0.28	63.27
21	105	1.75	3.3	0.393	0.23	0.35	0.16	0.51	131.83
22	110	1.83	3.1	0.369	0.23	0.33	0.14	0.43	108.98
23	115	1.92	2.9	0.345	0.23	0.31	0.11	0.36	86.12
24	120	2.00	3.0	0.357	0.23	0.32	0.12	0.40	97.55
25	125	2.08	3.1	0.369	0.23	0.33	0.14	0.43	108.98
26	130	2.17	4.2	0.500	0.23	0.45	0.27	0.85	234.68
27	135	2.25	5.0	0.595	0.23	0.54	0.36	1.16	326.11
28	140	2.33	3.5	0.417	0.23	0.37	0.18	0.59	154.69
29	145	2.42	6.8	0.809	0.23	0.73	0.58	1.84	531.81
30	150	2.50	7.3	0.869	0.23	0.78	0.64	2.03	588.95
31	155	2.58	8.2	0.976	0.23	0.88	0.74	2.38	691.80
32	160	2.67	5.9	0.702	0.23	0.63	0.47	1.50	428.96
33	165	2.75	2.0	0.238	0.23	0.21	0.00	0.01	0.00
34	170	2.83	1.8	0.214	0.23	0.19	0.02	0.07	0.00
35	175	2.92	1.8	0.214	0.23	0.19	0.02	0.07	0.00
36	180	3.00	0.6	0.071	0.23	0.06	0.01	0.02	0.00

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.38
FLOOD VOLUME (acft)	0.10
FLOOD VOLUME (cuft)	4424.24
REQUIRED STORAGE (acft)	0.09
REQUIRED STORAGE (cuft)	3716.16
PEAK FLOW RATE (cfs)	2.38

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.20
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.38
UNIT TIME-PERCENT OF LAG	362.1
TOTAL ADJUSTED STORM RAIN-INCHES	1.29
CONSTANT LOSS RATE-in/hr	0.233
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.07 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	0.5	0.077	0.23	0.07	0.01	0.02	0.00
2	10	0.17	0.6	0.093	0.23	0.08	0.01	0.03	0.00
3	15	0.25	0.6	0.093	0.23	0.08	0.01	0.03	0.00
4	20	0.33	0.6	0.093	0.23	0.08	0.01	0.03	0.00
5	25	0.42	0.6	0.093	0.23	0.08	0.01	0.03	0.00
6	30	0.50	0.7	0.108	0.23	0.10	0.01	0.03	0.00
7	35	0.58	0.7	0.108	0.23	0.10	0.01	0.03	0.00
8	40	0.67	0.7	0.108	0.23	0.10	0.01	0.03	0.00
9	45	0.75	0.7	0.108	0.23	0.10	0.01	0.03	0.00
10	50	0.83	0.7	0.108	0.23	0.10	0.01	0.03	0.00
11	55	0.92	0.7	0.108	0.23	0.10	0.01	0.03	0.00
12	60	1.00	0.8	0.124	0.23	0.11	0.01	0.04	0.00
13	65	1.08	0.8	0.124	0.23	0.11	0.01	0.04	0.00
14	70	1.17	0.8	0.124	0.23	0.11	0.01	0.04	0.00
15	75	1.25	0.8	0.124	0.23	0.11	0.01	0.04	0.00
16	80	1.33	0.8	0.124	0.23	0.11	0.01	0.04	0.00
17	85	1.42	0.8	0.124	0.23	0.11	0.01	0.04	0.00
18	90	1.50	0.8	0.124	0.23	0.11	0.01	0.04	0.00
19	95	1.58	0.8	0.124	0.23	0.11	0.01	0.04	0.00
20	100	1.67	0.8	0.124	0.23	0.11	0.01	0.04	0.00
21	105	1.75	0.8	0.124	0.23	0.11	0.01	0.04	0.00
22	110	1.83	0.8	0.124	0.23	0.11	0.01	0.04	0.00
23	115	1.92	0.8	0.124	0.23	0.11	0.01	0.04	0.00
24	120	2.00	0.9	0.139	0.23	0.13	0.01	0.04	0.00
25	125	2.08	0.8	0.124	0.23	0.11	0.01	0.04	0.00
26	130	2.17	0.9	0.139	0.23	0.13	0.01	0.04	0.00
27	135	2.25	0.9	0.139	0.23	0.13	0.01	0.04	0.00
28	140	2.33	0.9	0.139	0.23	0.13	0.01	0.04	0.00
29	145	2.42	0.9	0.139	0.23	0.13	0.01	0.04	0.00
30	150	2.50	0.9	0.139	0.23	0.13	0.01	0.04	0.00
31	155	2.58	0.9	0.139	0.23	0.13	0.01	0.04	0.00
32	160	2.67	0.9	0.139	0.23	0.13	0.01	0.04	0.00
33	165	2.75	1.0	0.155	0.23	0.14	0.02	0.05	0.00
34	170	2.83	1.0	0.155	0.23	0.14	0.02	0.05	0.00
35	175	2.92	1.0	0.155	0.23	0.14	0.02	0.05	0.00
36	180	3.00	1.0	0.155	0.23	0.14	0.02	0.05	0.00
37	185	3.08	1.0	0.155	0.23	0.14	0.02	0.05	0.00
38	190	3.17	1.1	0.170	0.23	0.15	0.02	0.05	0.00
39	195	3.25	1.1	0.170	0.23	0.15	0.02	0.05	0.00
40	200	3.33	1.1	0.170	0.23	0.15	0.02	0.05	0.00
41	205	3.42	1.2	0.186	0.23	0.17	0.02	0.06	0.00
42	210	3.50	1.3	0.201	0.23	0.18	0.02	0.06	0.00
43	215	3.58	1.4	0.217	0.23	0.20	0.02	0.07	0.00
44	220	3.67	1.4	0.217	0.23	0.20	0.02	0.07	0.00
45	225	3.75	1.5	0.232	0.23	0.21	0.02	0.07	1.07
46	230	3.83	1.5	0.232	0.23	0.21	0.02	0.07	1.07
47	235	3.92	1.6	0.248	0.23	0.22	0.01	0.05	0.00
48	240	4.00	1.6	0.248	0.23	0.22	0.01	0.05	0.00
49	245	4.08	1.7	0.263	0.23	0.24	0.03	0.10	7.35
50	250	4.17	1.8	0.279	0.23	0.25	0.05	0.14	22.21
51	255	4.25	1.9	0.294	0.23	0.26	0.06	0.19	37.07
52	260	4.33	2.0	0.310	0.23	0.28	0.08	0.24	51.93
53	265	4.42	2.1	0.325	0.23	0.29	0.09	0.29	66.79
54	270	4.50	2.1	0.325	0.23	0.29	0.09	0.29	66.79
55	275	4.58	2.2	0.341	0.23	0.31	0.11	0.34	81.65
56	280	4.67	2.3	0.356	0.23	0.32	0.12	0.39	96.51

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.20
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.38
UNIT TIME-PERCENT OF LAG	362.1
TOTAL ADJUSTED STORM RAIN-INCHES	1.29
CONSTANT LOSS RATE-in/hr	0.233
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.07 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
57	285	4.75	2.4	0.372	0.23	0.33	0.14	0.44	111.37
58	290	4.83	2.4	0.372	0.23	0.33	0.14	0.44	111.37
59	295	4.92	2.5	0.387	0.23	0.35	0.15	0.49	126.23
60	300	5.00	2.6	0.402	0.23	0.36	0.17	0.54	141.09
61	305	5.08	3.1	0.480	0.23	0.43	0.25	0.79	215.40
62	310	5.17	3.6	0.557	0.23	0.50	0.32	1.04	289.70
63	315	5.25	3.9	0.604	0.23	0.54	0.37	1.19	334.28
64	320	5.33	4.2	0.650	0.23	0.59	0.42	1.33	378.87
65	325	5.42	4.7	0.728	0.23	0.65	0.49	1.58	453.17
66	330	5.50	5.6	0.867	0.23	0.78	0.63	2.03	586.92
67	335	5.58	1.9	0.294	0.23	0.26	0.06	0.19	37.07
68	340	5.67	0.9	0.139	0.23	0.13	0.01	0.04	0.00
69	345	5.75	0.6	0.093	0.23	0.08	0.01	0.03	0.00
70	350	5.83	0.5	0.077	0.23	0.07	0.01	0.02	0.00
71	355	5.92	0.3	0.046	0.23	0.04	0.00	0.01	0.00
72	360	6.00	0.2	0.031	0.23	0.03	0.00	0.01	0.00

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.37
FLOOD VOLUME (acft)	0.10
FLOOD VOLUME (cuft)	4333.03
REQUIRED STORAGE (acft)	0.07
REQUIRED STORAGE (cuft)	3217.93
PEAK FLOW RATE (cfs)	2.03

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.200	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.2334
LAG TIME - MINUTES	1.38	MINIMUM LOSS RATE (for var. loss) - in/hr	0.117
UNIT TIME-PERCENT OF LAG	1086.4	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	2.09	C	0.00216
		PERCOLATION RATE (cfs)	0.07

Unit Time Period	Time		Pattern Percent	Storm Rain in/hr	Loss Rate in/hr		Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
	Minutes	Hours	(Plate E-5.9)		Max	Low			
1	15	0.25	0.2	0.017	0.412	0.015	0.002	0.01	0.00
2	30	0.50	0.3	0.025	0.407	0.023	0.003	0.01	0.00
3	45	0.75	0.3	0.025	0.403	0.023	0.003	0.01	0.00
4	60	1.00	0.4	0.033	0.398	0.030	0.003	0.01	0.00
5	75	1.25	0.3	0.025	0.393	0.023	0.003	0.01	0.00
6	90	1.50	0.3	0.025	0.389	0.023	0.003	0.01	0.00
7	105	1.75	0.3	0.025	0.384	0.023	0.003	0.01	0.00
8	120	2.00	0.4	0.033	0.379	0.030	0.003	0.01	0.00
9	135	2.25	0.4	0.033	0.375	0.030	0.003	0.01	0.00
10	150	2.50	0.4	0.033	0.370	0.030	0.003	0.01	0.00
11	165	2.75	0.5	0.042	0.366	0.038	0.004	0.01	0.00
12	180	3.00	0.5	0.042	0.361	0.038	0.004	0.01	0.00
13	195	3.25	0.5	0.042	0.357	0.038	0.004	0.01	0.00
14	210	3.50	0.5	0.042	0.352	0.038	0.004	0.01	0.00
15	225	3.75	0.5	0.042	0.348	0.038	0.004	0.01	0.00
16	240	4.00	0.6	0.050	0.343	0.045	0.005	0.02	0.00
17	255	4.25	0.6	0.050	0.339	0.045	0.005	0.02	0.00
18	270	4.50	0.7	0.059	0.335	0.053	0.006	0.02	0.00
19	285	4.75	0.7	0.059	0.330	0.053	0.006	0.02	0.00
20	300	5.00	0.8	0.067	0.326	0.060	0.007	0.02	0.00
21	315	5.25	0.6	0.050	0.322	0.045	0.005	0.02	0.00
22	330	5.50	0.7	0.059	0.318	0.053	0.006	0.02	0.00
23	345	5.75	0.8	0.067	0.314	0.060	0.007	0.02	0.00
24	360	6.00	0.8	0.067	0.309	0.060	0.007	0.02	0.00
25	375	6.25	0.9	0.075	0.305	0.068	0.008	0.02	0.00
26	390	6.50	0.9	0.075	0.301	0.068	0.008	0.02	0.00
27	405	6.75	1.0	0.084	0.297	0.075	0.008	0.03	0.00
28	420	7.00	1.0	0.084	0.293	0.075	0.008	0.03	0.00
29	435	7.25	1.0	0.084	0.289	0.075	0.008	0.03	0.00
30	450	7.50	1.1	0.092	0.285	0.083	0.009	0.03	0.00
31	465	7.75	1.2	0.100	0.281	0.090	0.010	0.03	0.00
32	480	8.00	1.3	0.109	0.278	0.098	0.011	0.03	0.00
33	495	8.25	1.5	0.125	0.274	0.113	0.013	0.04	0.00
34	510	8.50	1.5	0.125	0.270	0.113	0.013	0.04	0.00
35	525	8.75	1.6	0.134	0.266	0.120	0.013	0.04	0.00
36	540	9.00	1.7	0.142	0.262	0.128	0.014	0.05	0.00
37	555	9.25	1.9	0.159	0.259	0.143	0.016	0.05	0.00
38	570	9.50	2.0	0.167	0.255	0.150	0.017	0.05	0.00
39	585	9.75	2.1	0.176	0.251	0.158	0.018	0.06	0.00
40	600	10.00	2.2	0.184	0.248	0.166	0.018	0.06	0.00
41	615	10.25	1.5	0.125	0.244	0.113	0.013	0.04	0.00
42	630	10.50	1.5	0.125	0.241	0.113	0.013	0.04	0.00
43	645	10.75	2.0	0.167	0.237	0.150	0.017	0.05	0.00
44	660	11.00	2.0	0.167	0.234	0.150	0.017	0.05	0.00
45	675	11.25	1.9	0.159	0.230	0.143	0.016	0.05	0.00
46	690	11.50	1.9	0.159	0.227	0.143	0.016	0.05	0.00
47	705	11.75	1.7	0.142	0.223	0.128	0.014	0.05	0.00
48	720	12.00	1.8	0.150	0.220	0.135	0.015	0.05	0.00
49	735	12.25	2.5	0.209	0.217	0.188	0.021	0.07	0.00
50	750	12.50	2.6	0.217	0.214	0.196	0.004	0.01	0.00
51	765	12.75	2.8	0.234	0.210	0.211	0.024	0.08	4.74
52	780	13.00	2.9	0.242	0.207	0.218	0.035	0.11	37.95
53	795	13.25	3.4	0.284	0.204	0.256	0.080	0.26	167.35
54	810	13.50	3.4	0.284	0.201	0.256	0.083	0.27	176.26
55	825	13.75	2.3	0.192	0.198	0.173	0.019	0.06	0.00
56	840	14.00	2.3	0.192	0.195	0.173	0.019	0.06	0.00
57	855	14.25	2.7	0.226	0.192	0.203	0.034	0.11	33.74
58	870	14.50	2.6	0.217	0.189	0.196	0.028	0.09	18.10
59	885	14.75	2.6	0.217	0.186	0.196	0.031	0.10	26.42
60	900	15.00	2.5	0.209	0.183	0.188	0.026	0.08	10.54
61	915	15.25	2.4	0.201	0.180	0.181	0.020	0.06	0.00
62	930	15.50	2.3	0.192	0.178	0.173	0.015	0.05	0.00
63	945	15.75	1.9	0.159	0.175	0.143	0.016	0.05	0.00
64	960	16.00	1.9	0.159	0.172	0.143	0.016	0.05	0.00
65	975	16.25	0.4	0.033	0.170	0.030	0.003	0.01	0.00
66	990	16.50	0.4	0.033	0.167	0.030	0.003	0.01	0.00
67	1005	16.75	0.3	0.025	0.165	0.023	0.003	0.01	0.00

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.200	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.2334
LAG TIME - MINUTES	1.38	MINIMUM LOSS RATE (for var. loss) - in/hr	0.117
UNIT TIME-PERCENT OF LAG	1086.4	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	2.09	C	0.00216
		PERCOLATION RATE (cfs)	0.07

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
68	1020	17.00	0.3	0.025	0.162	0.023	0.003	0.01	0.00
69	1035	17.25	0.5	0.042	0.160	0.038	0.004	0.01	0.00
70	1050	17.50	0.5	0.042	0.157	0.038	0.004	0.01	0.00
71	1065	17.75	0.5	0.042	0.155	0.038	0.004	0.01	0.00
72	1080	18.00	0.4	0.033	0.153	0.030	0.003	0.01	0.00
73	1095	18.25	0.4	0.033	0.150	0.030	0.003	0.01	0.00
74	1110	18.50	0.4	0.033	0.148	0.030	0.003	0.01	0.00
75	1125	18.75	0.3	0.025	0.146	0.023	0.003	0.01	0.00
76	1140	19.00	0.2	0.017	0.144	0.015	0.002	0.01	0.00
77	1155	19.25	0.3	0.025	0.142	0.023	0.003	0.01	0.00
78	1170	19.50	0.4	0.033	0.140	0.030	0.003	0.01	0.00
79	1185	19.75	0.3	0.025	0.138	0.023	0.003	0.01	0.00
80	1200	20.00	0.2	0.017	0.136	0.015	0.002	0.01	0.00
81	1215	20.25	0.3	0.025	0.134	0.023	0.003	0.01	0.00
82	1230	20.50	0.3	0.025	0.133	0.023	0.003	0.01	0.00
83	1245	20.75	0.3	0.025	0.131	0.023	0.003	0.01	0.00
84	1260	21.00	0.2	0.017	0.129	0.015	0.002	0.01	0.00
85	1275	21.25	0.3	0.025	0.128	0.023	0.003	0.01	0.00
86	1290	21.50	0.2	0.017	0.126	0.015	0.002	0.01	0.00
87	1305	21.75	0.3	0.025	0.125	0.023	0.003	0.01	0.00
88	1320	22.00	0.2	0.017	0.124	0.015	0.002	0.01	0.00
89	1335	22.25	0.3	0.025	0.122	0.023	0.003	0.01	0.00
90	1350	22.50	0.2	0.017	0.121	0.015	0.002	0.01	0.00
91	1365	22.75	0.2	0.017	0.120	0.015	0.002	0.01	0.00
92	1380	23.00	0.2	0.017	0.119	0.015	0.002	0.01	0.00
93	1395	23.25	0.2	0.017	0.118	0.015	0.002	0.01	0.00
94	1410	23.50	0.2	0.017	0.118	0.015	0.002	0.01	0.00
95	1425	23.75	0.2	0.017	0.117	0.015	0.002	0.01	0.00
96	1440	24.00	0.2	0.017	0.117	0.015	0.002	0.01	0.00

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.24
FLOOD VOLUME (acft)	0.06
FLOOD VOLUME (cuft)	2799.27
REQUIRED STORAGE (acft)	0.01
REQUIRED STORAGE (cuft)	475.11
PEAK FLOW (cfs)	0.27

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
JOB # 0
1

BASIN CHARACTERISTICS

CONTOUR	DEPTH		AREA		VOLUME		
	INCR (ft)	TOTAL (ft)	INCR (sf)	TOTAL (sf)	INCR (cuft)	TOTAL (cuft)	(acre-ft)
408	0	0		4560	0	0	0.00
409	1	1	910	5470	5015	5015	0.12
410	1	2	960	6430	5950	10965	0.25
411	1	3	1040	7470	6950	17915	0.41
411.5	0.5	3.5	510	7980	3863	21778	0.50

PERCOLATION CALCULATIONS
PERCOLATION RATE 0.67 in/hr 0.07 cfs

MAXWELL IV DRYWELLS
NUMBER USED 0
RATE/DRYWELL 0 cfs
TOTAL DISSIPATED 0 cfs

TOTAL PERCOLATION RATE 0.07 cfs

1

JOB # 0

100 YEAR - 3 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.05	15	15	21	-	408.00	-	0.00
2	10	0.05	15	15	21	-	408.00	-	0.00
3	15	0.04	13	13	21	-	408.00	-	0.00
4	20	0.06	17	17	21	-	408.00	-	0.00
5	25	0.06	17	17	21	-	408.00	-	0.00
6	30	0.07	21	21	21	-	408.00	-	0.00
7	35	0.06	17	17	21	-	408.00	-	0.00
8	40	0.07	21	21	21	-	408.00	-	0.00
9	45	0.07	21	21	21	-	408.00	-	0.00
10	50	0.06	17	17	21	-	408.00	-	0.00
11	55	0.06	18	18	21	-	408.00	-	0.00
12	60	0.07	21	21	21	-	408.00	-	0.00
13	65	0.09	27	27	21	6	408.00	6	0.00
14	70	0.09	27	33	21	12	408.00	12	0.00
15	75	0.09	27	40	21	18	408.00	18	0.00
16	80	0.01	4	23	21	2	408.00	2	0.00
17	85	0.24	73	75	21	53	408.01	53	0.00
18	90	0.28	84	138	21	117	408.02	117	0.00
19	95	0.17	50	167	21	146	408.03	146	0.00
20	100	0.28	84	230	21	209	408.04	209	0.00
21	105	0.51	153	362	21	341	408.07	341	0.01
22	110	0.43	130	471	21	450	408.09	450	0.01
23	115	0.36	107	557	21	536	408.11	536	0.01
24	120	0.40	119	655	21	633	408.13	633	0.01
25	125	0.43	130	764	21	742	408.15	742	0.02
26	130	0.85	256	998	21	977	408.19	977	0.02
27	135	1.16	347	1,324	21	1,303	408.26	1,303	0.03
28	140	0.59	176	1,479	21	1,458	408.29	1,458	0.03
29	145	1.84	553	2,011	21	1,990	408.40	1,990	0.05
30	150	2.03	610	2,600	21	2,579	408.51	2,579	0.06
31	155	2.38	713	3,292	21	3,270	408.65	3,270	0.08
32	160	1.50	450	3,721	21	3,699	408.74	3,699	0.08
33	165	0.01	4	3,704	21	3,683	408.73	3,683	0.08
34	170	0.07	21	3,703	21	3,682	408.73	3,682	0.08
35	175	0.07	21	3,703	21	3,681	408.73	3,681	0.08
36	180	0.02	7	3,688	21	3,667	408.73	3,667	0.08

1

JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.02	7	7	21	-	408.00	-	0.00
2	10	0.03	9	9	21	-	408.00	-	0.00
3	15	0.03	9	9	21	-	408.00	-	0.00
4	20	0.03	9	9	21	-	408.00	-	0.00
5	25	0.03	9	9	21	-	408.00	-	0.00
6	30	0.03	10	10	21	-	408.00	-	0.00
7	35	0.03	10	10	21	-	408.00	-	0.00
8	40	0.03	10	10	21	-	408.00	-	0.00
9	45	0.03	10	10	21	-	408.00	-	0.00
10	50	0.03	10	10	21	-	408.00	-	0.00
11	55	0.03	10	10	21	-	408.00	-	0.00
12	60	0.04	12	12	21	-	408.00	-	0.00
13	65	0.04	12	12	21	-	408.00	-	0.00
14	70	0.04	12	12	21	-	408.00	-	0.00
15	75	0.04	12	12	21	-	408.00	-	0.00
16	80	0.04	12	12	21	-	408.00	-	0.00
17	85	0.04	12	12	21	-	408.00	-	0.00
18	90	0.04	12	12	21	-	408.00	-	0.00
19	95	0.04	12	12	21	-	408.00	-	0.00
20	100	0.04	12	12	21	-	408.00	-	0.00
21	105	0.04	12	12	21	-	408.00	-	0.00
22	110	0.04	12	12	21	-	408.00	-	0.00
23	115	0.04	12	12	21	-	408.00	-	0.00
24	120	0.04	13	13	21	-	408.00	-	0.00
25	125	0.04	12	12	21	-	408.00	-	0.00
26	130	0.04	13	13	21	-	408.00	-	0.00
27	135	0.04	13	13	21	-	408.00	-	0.00
28	140	0.04	13	13	21	-	408.00	-	0.00
29	145	0.04	13	13	21	-	408.00	-	0.00
30	150	0.04	13	13	21	-	408.00	-	0.00
31	155	0.04	13	13	21	-	408.00	-	0.00
32	160	0.04	13	13	21	-	408.00	-	0.00
33	165	0.05	15	15	21	-	408.00	-	0.00
34	170	0.05	15	15	21	-	408.00	-	0.00
35	175	0.05	15	15	21	-	408.00	-	0.00
36	180	0.05	15	15	21	-	408.00	-	0.00
37	185	0.05	15	15	21	-	408.00	-	0.00
38	190	0.05	16	16	21	-	408.00	-	0.00
39	195	0.05	16	16	21	-	408.00	-	0.00
40	200	0.05	16	16	21	-	408.00	-	0.00
41	205	0.06	18	18	21	-	408.00	-	0.00
42	210	0.06	19	19	21	-	408.00	-	0.00
43	215	0.07	21	21	21	-	408.00	-	0.00
44	220	0.07	21	21	21	-	408.00	-	0.00
45	225	0.07	22	22	21	1	408.00	1	0.00
46	230	0.07	22	23	21	2	408.00	2	0.00
47	235	0.05	14	16	21	-	408.00	-	0.00
48	240	0.05	14	14	21	-	408.00	-	0.00
49	245	0.10	29	29	21	7	408.00	7	0.00
50	250	0.14	43	51	21	30	408.01	30	0.00
51	255	0.19	58	88	21	67	408.01	67	0.00
52	260	0.24	73	140	21	119	408.02	119	0.00
53	265	0.29	88	207	21	185	408.04	185	0.00
54	270	0.29	88	273	21	252	408.05	252	0.01
55	275	0.34	103	355	21	334	408.07	334	0.01

1

JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
56	280	0.39	118	452	21	430	408.09	430	0.01
57	285	0.44	133	563	21	542	408.11	542	0.01
58	290	0.44	133	674	21	653	408.13	653	0.01
59	295	0.49	147	800	21	779	408.16	779	0.02
60	300	0.54	162	942	21	920	408.18	920	0.02
61	305	0.79	237	1,157	21	1,136	408.23	1,136	0.03
62	310	1.04	311	1,447	21	1,425	408.28	1,425	0.03
63	315	1.19	356	1,781	21	1,760	408.35	1,760	0.04
64	320	1.33	400	2,160	21	2,139	408.43	2,139	0.05
65	325	1.58	474	2,613	21	2,592	408.52	2,592	0.06
66	330	2.03	608	3,200	21	3,179	408.63	3,179	0.07
67	335	0.19	58	3,237	21	3,216	408.64	3,216	0.07
68	340	0.04	13	3,229	21	3,208	408.64	3,208	0.07
69	345	0.03	9	3,217	21	3,196	408.64	3,196	0.07
70	350	0.02	7	3,203	21	3,182	408.63	3,182	0.07
71	355	0.01	4	3,186	21	3,165	408.63	3,165	0.07
72	360	0.01	3	3,168	21	3,147	408.63	3,147	0.07

1

JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	15	0.01	5	5	64	-	408.00	-	0.00
2	30	0.01	7	7	64	-	408.00	-	0.00
3	45	0.01	7	7	64	-	408.00	-	0.00
4	60	0.01	10	10	64	-	408.00	-	0.00
5	75	0.01	7	7	64	-	408.00	-	0.00
6	90	0.01	7	7	64	-	408.00	-	0.00
7	105	0.01	7	7	64	-	408.00	-	0.00
8	120	0.01	10	10	64	-	408.00	-	0.00
9	135	0.01	10	10	64	-	408.00	-	0.00
10	150	0.01	10	10	64	-	408.00	-	0.00
11	165	0.01	12	12	64	-	408.00	-	0.00
12	180	0.01	12	12	64	-	408.00	-	0.00
13	195	0.01	12	12	64	-	408.00	-	0.00
14	210	0.01	12	12	64	-	408.00	-	0.00
15	225	0.01	12	12	64	-	408.00	-	0.00
16	240	0.02	14	14	64	-	408.00	-	0.00
17	255	0.02	14	14	64	-	408.00	-	0.00
18	270	0.02	17	17	64	-	408.00	-	0.00
19	285	0.02	17	17	64	-	408.00	-	0.00
20	300	0.02	19	19	64	-	408.00	-	0.00
21	315	0.02	14	14	64	-	408.00	-	0.00
22	330	0.02	17	17	64	-	408.00	-	0.00
23	345	0.02	19	19	64	-	408.00	-	0.00
24	360	0.02	19	19	64	-	408.00	-	0.00
25	375	0.02	22	22	64	-	408.00	-	0.00
26	390	0.02	22	22	64	-	408.00	-	0.00
27	405	0.03	24	24	64	-	408.00	-	0.00
28	420	0.03	24	24	64	-	408.00	-	0.00
29	435	0.03	24	24	64	-	408.00	-	0.00
30	450	0.03	26	26	64	-	408.00	-	0.00
31	465	0.03	29	29	64	-	408.00	-	0.00
32	480	0.03	31	31	64	-	408.00	-	0.00
33	495	0.04	36	36	64	-	408.00	-	0.00
34	510	0.04	36	36	64	-	408.00	-	0.00
35	525	0.04	39	39	64	-	408.00	-	0.00
36	540	0.05	41	41	64	-	408.00	-	0.00
37	555	0.05	46	46	64	-	408.00	-	0.00
38	570	0.05	48	48	64	-	408.00	-	0.00
39	585	0.06	51	51	64	-	408.00	-	0.00
40	600	0.06	53	53	64	-	408.00	-	0.00
41	615	0.04	36	36	64	-	408.00	-	0.00
42	630	0.04	36	36	64	-	408.00	-	0.00
43	645	0.05	48	48	64	-	408.00	-	0.00
44	660	0.05	48	48	64	-	408.00	-	0.00
45	675	0.05	46	46	64	-	408.00	-	0.00
46	690	0.05	46	46	64	-	408.00	-	0.00
47	705	0.05	41	41	64	-	408.00	-	0.00
48	720	0.05	43	43	64	-	408.00	-	0.00
49	735	0.07	60	60	64	-	408.00	-	0.00
50	750	0.01	11	11	64	-	408.00	-	0.00
51	765	0.08	68	68	64	5	408.00	5	0.00
52	780	0.11	102	106	64	43	408.01	43	0.00
53	795	0.26	231	274	64	210	408.04	210	0.00
54	810	0.27	240	450	64	386	408.08	386	0.01
55	825	0.06	55	442	64	378	408.08	378	0.01
56	840	0.06	55	433	64	370	408.07	370	0.01
57	855	0.11	97	467	64	403	408.08	403	0.01
58	870	0.09	82	485	64	422	408.08	422	0.01

1

JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
59	885	0.10	90	512	64	448	408.09	448	0.01
60	900	0.08	74	522	64	459	408.09	459	0.01
61	915	0.06	58	517	64	453	408.09	453	0.01
62	930	0.05	42	495	64	432	408.09	432	0.01
63	945	0.05	46	477	64	414	408.08	414	0.01
64	960	0.05	46	459	64	396	408.08	396	0.01
65	975	0.01	10	405	64	342	408.07	342	0.01
66	990	0.01	10	351	64	288	408.06	288	0.01
67	1005	0.01	7	295	64	231	408.05	231	0.01
68	1020	0.01	7	238	64	175	408.03	175	0.00
69	1035	0.01	12	187	64	123	408.02	123	0.00
70	1050	0.01	12	135	64	72	408.01	72	0.00
71	1065	0.01	12	84	64	20	408.00	20	0.00
72	1080	0.01	10	30	64	-	408.00	-	0.00
73	1095	0.01	10	10	64	-	408.00	-	0.00
74	1110	0.01	10	10	64	-	408.00	-	0.00
75	1125	0.01	7	7	64	-	408.00	-	0.00
76	1140	0.01	5	5	64	-	408.00	-	0.00
77	1155	0.01	7	7	64	-	408.00	-	0.00
78	1170	0.01	10	10	64	-	408.00	-	0.00
79	1185	0.01	7	7	64	-	408.00	-	0.00
80	1200	0.01	5	5	64	-	408.00	-	0.00
81	1215	0.01	7	7	64	-	408.00	-	0.00
82	1230	0.01	7	7	64	-	408.00	-	0.00
83	1245	0.01	7	7	64	-	408.00	-	0.00
84	1260	0.01	5	5	64	-	408.00	-	0.00
85	1275	0.01	7	7	64	-	408.00	-	0.00
86	1290	0.01	5	5	64	-	408.00	-	0.00
87	1305	0.01	7	7	64	-	408.00	-	0.00
88	1320	0.01	5	5	64	-	408.00	-	0.00
89	1335	0.01	7	7	64	-	408.00	-	0.00
90	1350	0.01	5	5	64	-	408.00	-	0.00
91	1365	0.01	5	5	64	-	408.00	-	0.00
92	1380	0.01	5	5	64	-	408.00	-	0.00
93	1395	0.01	5	5	64	-	408.00	-	0.00
94	1410	0.01	5	5	64	-	408.00	-	0.00
95	1425	0.01	5	5	64	-	408.00	-	0.00
96	1440	0.01	5	5	64	-	408.00	-	0.00

	A	B	C	D
1	**RCFC&WCD SHORTCUT UNIT HYDROGRAPH METHOD**			
2	DATA INPUT SHEET			
3				
4	WORKSHEET PREPARED BY:	JAMES R. BAZUA, P.E.		
5				
6	PROJECT NAME	ARMTEC DEFENSE TECHNOLOGY - 100 YEAR		
7	JOB #			
8				
9	CONCENTRATION POINT DESIGNATION	1		
10	AREA DESIGNATION	15000 SF BUILDING		
11				
12	TRIBUTARY AREAS	ACRES		
13				
14	COMMERCIAL			
15	PAVING/HARDSCAPE	2.37		
16	SF - 1 ACRE			
17	SF - 1/2 ACRE			
18	SF - 1/4 ACRE			
19	MF - CONDOMINIUMS			
20	MF - APARTMENTS			
21	MOBILE HOME PARK			
22	LANDSCAPING			
23	RETENTION BASIN	0.83		
24	GOLF COURSE			
25	MOUNTAINOUS			
26	LOW LOSS RATE (PERCENT)	90%		
27				
28	LENGTH OF WATERCOURSE (L)	480		
29	LENGTH TO POINT OPPOSITE CENTROID (Lca)	65		
30				
31	ELEVATION OF HEADWATER	412.5		
32	ELEVATION OF CONCENTRATION POINT	411.5		
33				
34	AVERAGE MANNINGS 'N' VALUE	0.02		
35				
36	STORM FREQUENCY (YEAR)	100		
37				
38	POINT RAIN			
39	3-HOUR	2.04		
40	6-HOUR	2.73		
41	24-HOUR	4.28		
42				
43	BASIN CHARACTERISTICS:	ELEVATION	AREA	
44		408	4560	
45		409	5470	
46		410	6430	
47		411	7470	
48		411.5	7980	
49				
50				
51				
52	PERCOLATION RATE (in/hr)	0.67		
53				
54	DRYWELL DATA			
55	NUMBER USED			
56	PERCOLATION RATE (cfs)			

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
BASIC DATA CALCULATION FORM
SHORTCUT METHOD

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
JOB # 0
BY ES R. BAZUA, P.E. DATE 2/2/2025

PHYSICAL DATA

[1] CONCENTRATION POINT	1
[2] AREA DESIGNATION	15000 SF BUILDING
[3] AREA - ACRES	3.200
[4] L-FEET	480
[5] L-MILES	0.091
[6] La-FEET	65.00
[7] La-MILES	0.012
[8] ELEVATION OF HEADWATER	412.5
[9] ELEVATION OF CONCENTRATION POINT	411.5
[10] H-FEET	1
[11] S-FEET/MILE	11.0
[12] S^0.5	3.32
[13] L*LCA/S^0.5	0.000
[14] AVERAGE MANNINGS 'N'	0.02
[15] LAG TIME-HOURS	0.02
[16] LAG TIME-MINUTES	1.4
[17] 100% OF LAG-MINUTES	1.4
[18] 200% OF LAG-MINUTES	2.8
[19] UNIT TIME-MINUTES (100%-200% OF LAG)	5
[24] TOTAL PERCOLATION RATE (cfs)	0.07

RAINFALL DATA

[1] SOURCE
[2] FREQUENCY-YEARS 100
[3] DURATION:

3-HOURS				6-HOURS				24-HOURS			
[4] POINT RAIN INCHES (Plate E-5.2)	[5] AREA	[6]	[7] AVERAGE POINT RAIN INCHES	[8] POINT RAIN INCHES (Plate E-5.4)	[9] AREA	[10]	[11] AVERAGE POINT RAIN INCHES	[12] POINT RAIN INCHES (Plate E-5.6)	[13] AREA	[14]	[15] AVERAGE POINT RAIN INCHES
2.04	3.200	1.00	2.04	2.73	3.200	1.00	2.73	4.28	3.200	1.00	4.28
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
SUM [5]	3.2	SUM [7]	2.04	SUM [9]	3.20	SUM [11]	2.73	SUM [13]	3.20	SUM [15]	4.28
[16] AREA ADJ FACTOR			1.000				1.000				1.000
[17] ADJ AVG POINT RAIN			2.04				2.73				4.28

STORM EVENT SUMMARY

DURATION		3-HOUR	6-HOUR	24-HOUR
EFFECTIVE RAIN	(in)	1.52	1.71	1.81
FLOOD VOLUME	(cu-ft)	17,694	19,871	21,042
	(acre-ft)	0.41	0.46	0.48
REQUIRED STORAGE	(cu-ft)	16,791	18,216	17,364
	(acre-ft)	0.39	0.42	0.40
PEAK FLOW	(cfs)	5.87	5.32	1.38
MAXIMUM WSEL	(ft)	410.84	411.04	410.92

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD

PROJECT ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1
BY MES R. BAZUA, P.E. DATE 2/2/2025

ADJUSTED LOSS RATE

SOIL GROUP [Plate C-1]	LAND USE	RI NUMBER [Plate E-6.1]	PERVIOUS AREA INFILTRATION RATE (in/hr) [Plate E-6.2]	DECIMAL PERCENT OF AREA IMPERVIOUS [Plate E-6.3]	ADJUSTED INFILTRATION RATE (in/hr)	AREA		AVERAGE ADJUSTED INFILTRATION RATE (in/hr)
B	COMMERCIAL	56	0.52	90%	0.10	0.00	0.000	0.0000
B	PAVING/HARDSCAPE	56	0.52	100%	0.05	2.37	0.741	0.0385
B	SF - 1 ACRE	56	0.52	20%	0.43	0.00	0.000	0.0000
B	SF - 1/2 ACRE	56	0.52	40%	0.33	0.00	0.000	0.0000
B	SF - 1/4 ACRE	56	0.52	50%	0.29	0.00	0.000	0.0000
B	MF - COND0MINIUMS	56	0.52	65%	0.22	0.00	0.000	0.0000
B	MF - APARTMENTS	56	0.52	80%	0.15	0.00	0.000	0.0000
B	MOBILE HOME PARKS	56	0.52	75%	0.17	0.00	0.000	0.0000
B	LANDSCAPING	56	0.52	0%	0.52	0.00	0.000	0.0000
B	RETENTION BASINS	56	0.52	0%	0.52	0.83	0.259	0.1349
B	GOLF COURSE	56	0.52	0%	0.52	0.00	0.000	0.0000
D	MOUNTAINOUS	93	0.95	90%	0.18	0.00	0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					SUM	3.2	SUM	0.1734

VARIABLE LOSS RATE CURVE (24-HOUR STORM ONLY)

Fm= 0.08669375
C= 0.00161

Ft=C(24-(T/60))^1.55 = 0.00161 (24-(T/60))^1.55 + 0.09 in/hr

LOW LOSS RATE (80-90 PERCENT) = 90%

Where:

T=Time in minutes. To get an average value for each unit time period, Use T=1/2 the unit time for the first time period,
T=1 1/2 unit time for the second period, etc.

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 3 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1

BY: IES R. BAZUA, DATE 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.20		
UNIT TIME-MINUTES	5		
LAG TIME - MINUTES	1.38		
UNIT TIME-PERCENT OF LAG	362.1		
TOTAL ADJUSTED STORM RAIN-INCHES	2.04		
CONSTANT LOSS RATE-in/hr	0.17		
LOW LOSS RATE - PERCENT	90%	TOTAL PERCOLATION RATE (cfs)	0.07 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	1.3	0.318	0.17	0.29	0.14	0.46	117.84
2	10	0.17	1.3	0.318	0.17	0.29	0.14	0.46	117.84
3	15	0.25	1.1	0.269	0.17	0.24	0.10	0.31	70.84
4	20	0.33	1.5	0.367	0.17	0.33	0.19	0.62	164.84
5	25	0.42	1.5	0.367	0.17	0.33	0.19	0.62	164.84
6	30	0.50	1.8	0.441	0.17	0.40	0.27	0.86	235.35
7	35	0.58	1.5	0.367	0.17	0.33	0.19	0.62	164.84
8	40	0.67	1.8	0.441	0.17	0.40	0.27	0.86	235.35
9	45	0.75	1.8	0.441	0.17	0.40	0.27	0.86	235.35
10	50	0.83	1.5	0.367	0.17	0.33	0.19	0.62	164.84
11	55	0.92	1.6	0.392	0.17	0.35	0.22	0.70	188.34
12	60	1.00	1.8	0.441	0.17	0.40	0.27	0.86	235.35
13	65	1.08	2.2	0.539	0.17	0.48	0.37	1.17	329.35
14	70	1.17	2.2	0.539	0.17	0.48	0.37	1.17	329.35
15	75	1.25	2.2	0.539	0.17	0.48	0.37	1.17	329.35
16	80	1.33	2.0	0.490	0.17	0.44	0.32	1.01	282.35
17	85	1.42	2.6	0.636	0.17	0.57	0.46	1.48	423.35
18	90	1.50	2.7	0.661	0.17	0.59	0.49	1.56	446.85
19	95	1.58	2.4	0.588	0.17	0.53	0.41	1.33	376.35
20	100	1.67	2.7	0.661	0.17	0.59	0.49	1.56	446.85
21	105	1.75	3.3	0.808	0.17	0.73	0.63	2.03	587.86
22	110	1.83	3.1	0.759	0.17	0.68	0.59	1.87	540.86
23	115	1.92	2.9	0.710	0.17	0.64	0.54	1.72	493.85
24	120	2.00	3.0	0.734	0.17	0.66	0.56	1.80	517.36
25	125	2.08	3.1	0.759	0.17	0.68	0.59	1.87	540.86
26	130	2.17	4.2	1.028	0.17	0.93	0.85	2.74	799.36
27	135	2.25	5.0	1.224	0.17	1.10	1.05	3.36	987.37
28	140	2.33	3.5	0.857	0.17	0.77	0.68	2.19	634.86
29	145	2.42	6.8	1.665	0.17	1.50	1.49	4.77	1410.39
30	150	2.50	7.3	1.787	0.17	1.61	1.61	5.16	1527.89
31	155	2.58	8.2	2.007	0.17	1.81	1.83	5.87	1739.40
32	160	2.67	5.9	1.444	0.17	1.30	1.27	4.07	1198.88
33	165	2.75	2.0	0.490	0.17	0.44	0.32	1.01	282.35
34	170	2.83	1.8	0.441	0.17	0.40	0.27	0.86	235.35
35	175	2.92	1.8	0.441	0.17	0.40	0.27	0.86	235.35
36	180	3.00	0.6	0.147	0.17	0.13	0.01	0.05	0.00

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	1.52
FLOOD VOLUME (acft)	0.41
FLOOD VOLUME (cuft)	17694.38
REQUIRED STORAGE (acft)	0.39
REQUIRED STORAGE (cuft)	16791.39
PEAK FLOW RATE (cfs)	5.87

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEA
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.20
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.38
UNIT TIME-PERCENT OF LAG	362.1
TOTAL ADJUSTED STORM RAIN-INCHES	2.73
CONSTANT LOSS RATE-in/hr	0.173
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.07 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	0.5	0.164	0.17	0.15	0.02	0.05	0.00
2	10	0.17	0.6	0.197	0.17	0.18	0.02	0.07	1.03
3	15	0.25	0.6	0.197	0.17	0.18	0.02	0.07	1.03
4	20	0.33	0.6	0.197	0.17	0.18	0.02	0.07	1.03
5	25	0.42	0.6	0.197	0.17	0.18	0.02	0.07	1.03
6	30	0.50	0.7	0.229	0.17	0.21	0.06	0.18	32.48
7	35	0.58	0.7	0.229	0.17	0.21	0.06	0.18	32.48
8	40	0.67	0.7	0.229	0.17	0.21	0.06	0.18	32.48
9	45	0.75	0.7	0.229	0.17	0.21	0.06	0.18	32.48
10	50	0.83	0.7	0.229	0.17	0.21	0.06	0.18	32.48
11	55	0.92	0.7	0.229	0.17	0.21	0.06	0.18	32.48
12	60	1.00	0.8	0.262	0.17	0.24	0.09	0.28	63.93
13	65	1.08	0.8	0.262	0.17	0.24	0.09	0.28	63.93
14	70	1.17	0.8	0.262	0.17	0.24	0.09	0.28	63.93
15	75	1.25	0.8	0.262	0.17	0.24	0.09	0.28	63.93
16	80	1.33	0.8	0.262	0.17	0.24	0.09	0.28	63.93
17	85	1.42	0.8	0.262	0.17	0.24	0.09	0.28	63.93
18	90	1.50	0.8	0.262	0.17	0.24	0.09	0.28	63.93
19	95	1.58	0.8	0.262	0.17	0.24	0.09	0.28	63.93
20	100	1.67	0.8	0.262	0.17	0.24	0.09	0.28	63.93
21	105	1.75	0.8	0.262	0.17	0.24	0.09	0.28	63.93
22	110	1.83	0.8	0.262	0.17	0.24	0.09	0.28	63.93
23	115	1.92	0.8	0.262	0.17	0.24	0.09	0.28	63.93
24	120	2.00	0.9	0.295	0.17	0.27	0.12	0.39	95.38
25	125	2.08	0.8	0.262	0.17	0.24	0.09	0.28	63.93
26	130	2.17	0.9	0.295	0.17	0.27	0.12	0.39	95.38
27	135	2.25	0.9	0.295	0.17	0.27	0.12	0.39	95.38
28	140	2.33	0.9	0.295	0.17	0.27	0.12	0.39	95.38
29	145	2.42	0.9	0.295	0.17	0.27	0.12	0.39	95.38
30	150	2.50	0.9	0.295	0.17	0.27	0.12	0.39	95.38
31	155	2.58	0.9	0.295	0.17	0.27	0.12	0.39	95.38
32	160	2.67	0.9	0.295	0.17	0.27	0.12	0.39	95.38
33	165	2.75	1.0	0.328	0.17	0.29	0.15	0.49	126.83
34	170	2.83	1.0	0.328	0.17	0.29	0.15	0.49	126.83
35	175	2.92	1.0	0.328	0.17	0.29	0.15	0.49	126.83
36	180	3.00	1.0	0.328	0.17	0.29	0.15	0.49	126.83
37	185	3.08	1.0	0.328	0.17	0.29	0.15	0.49	126.83
38	190	3.17	1.1	0.360	0.17	0.32	0.19	0.60	158.28
39	195	3.25	1.1	0.360	0.17	0.32	0.19	0.60	158.28
40	200	3.33	1.1	0.360	0.17	0.32	0.19	0.60	158.28
41	205	3.42	1.2	0.393	0.17	0.35	0.22	0.70	189.73
42	210	3.50	1.3	0.426	0.17	0.38	0.25	0.81	221.18
43	215	3.58	1.4	0.459	0.17	0.41	0.29	0.91	252.63
44	220	3.67	1.4	0.459	0.17	0.41	0.29	0.91	252.63
45	225	3.75	1.5	0.491	0.17	0.44	0.32	1.02	284.08
46	230	3.83	1.5	0.491	0.17	0.44	0.32	1.02	284.08
47	235	3.92	1.6	0.524	0.17	0.47	0.35	1.12	315.52
48	240	4.00	1.6	0.524	0.17	0.47	0.35	1.12	315.52
49	245	4.08	1.7	0.557	0.17	0.50	0.38	1.23	346.97
50	250	4.17	1.8	0.590	0.17	0.53	0.42	1.33	378.42
51	255	4.25	1.9	0.622	0.17	0.56	0.45	1.44	409.87
52	260	4.33	2.0	0.655	0.17	0.59	0.48	1.54	441.32
53	265	4.42	2.1	0.688	0.17	0.62	0.51	1.65	472.77
54	270	4.50	2.1	0.688	0.17	0.62	0.51	1.65	472.77
55	275	4.58	2.2	0.721	0.17	0.65	0.55	1.75	504.22
56	280	4.67	2.3	0.753	0.17	0.68	0.58	1.86	535.67

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEA
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.20
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.38
UNIT TIME-PERCENT OF LAG	362.1
TOTAL ADJUSTED STORM RAIN-INCHES	2.73
CONSTANT LOSS RATE-in/hr	0.173
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.07 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
57	285	4.75	2.4	0.786	0.17	0.71	0.61	1.96	567.12
58	290	4.83	2.4	0.786	0.17	0.71	0.61	1.96	567.12
59	295	4.92	2.5	0.819	0.17	0.74	0.65	2.07	598.57
60	300	5.00	2.6	0.852	0.17	0.77	0.68	2.17	630.02
61	305	5.08	3.1	1.016	0.17	0.91	0.84	2.69	787.27
62	310	5.17	3.6	1.179	0.17	1.06	1.01	3.22	944.52
63	315	5.25	3.9	1.278	0.17	1.15	1.10	3.53	1038.87
64	320	5.33	4.2	1.376	0.17	1.24	1.20	3.85	1133.21
65	325	5.42	4.7	1.540	0.17	1.39	1.37	4.37	1290.46
66	330	5.50	5.6	1.835	0.17	1.65	1.66	5.32	1573.51
67	335	5.58	1.9	0.622	0.17	0.56	0.45	1.44	409.87
68	340	5.67	0.9	0.295	0.17	0.27	0.12	0.39	95.38
69	345	5.75	0.6	0.197	0.17	0.18	0.02	0.07	1.03
70	350	5.83	0.5	0.164	0.17	0.15	0.02	0.05	0.00
71	355	5.92	0.3	0.098	0.17	0.09	0.01	0.03	0.00
72	360	6.00	0.2	0.066	0.17	0.06	0.01	0.02	0.00

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	1.71
FLOOD VOLUME (acft)	0.46
FLOOD VOLUME (cuft)	19870.59
REQUIRED STORAGE (acft)	0.42
REQUIRED STORAGE (cuft)	18216.39
PEAK FLOW RATE (cfs)	5.32

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.200	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.1734
LAG TIME - MINUTES	1.38	MINIMUM LOSS RATE (for var. loss) - in/hr	0.087
UNIT TIME-PERCENT OF LAG	1086.4	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	4.28	C	0.00161
		PERCOLATION RATE (cfs)	0.07

Unit Time Period	Time		Pattern Percent	Storm Rain in/hr	Loss Rate in/hr		Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
	Minutes	Hours	(Plate E-5.9)		Max	Low			
1	15	0.25	0.2	0.034	0.306	0.031	0.003	0.01	0.00
2	30	0.50	0.3	0.051	0.303	0.046	0.005	0.02	0.00
3	45	0.75	0.3	0.051	0.299	0.046	0.005	0.02	0.00
4	60	1.00	0.4	0.068	0.296	0.062	0.007	0.02	0.00
5	75	1.25	0.3	0.051	0.292	0.046	0.005	0.02	0.00
6	90	1.50	0.3	0.051	0.289	0.046	0.005	0.02	0.00
7	105	1.75	0.3	0.051	0.285	0.046	0.005	0.02	0.00
8	120	2.00	0.4	0.068	0.282	0.062	0.007	0.02	0.00
9	135	2.25	0.4	0.068	0.278	0.062	0.007	0.02	0.00
10	150	2.50	0.4	0.068	0.275	0.062	0.007	0.02	0.00
11	165	2.75	0.5	0.086	0.272	0.077	0.009	0.03	0.00
12	180	3.00	0.5	0.086	0.268	0.077	0.009	0.03	0.00
13	195	3.25	0.5	0.086	0.265	0.077	0.009	0.03	0.00
14	210	3.50	0.5	0.086	0.262	0.077	0.009	0.03	0.00
15	225	3.75	0.5	0.086	0.258	0.077	0.009	0.03	0.00
16	240	4.00	0.6	0.103	0.255	0.092	0.010	0.03	0.00
17	255	4.25	0.6	0.103	0.252	0.092	0.010	0.03	0.00
18	270	4.50	0.7	0.120	0.249	0.108	0.012	0.04	0.00
19	285	4.75	0.7	0.120	0.245	0.108	0.012	0.04	0.00
20	300	5.00	0.8	0.137	0.242	0.123	0.014	0.04	0.00
21	315	5.25	0.6	0.103	0.239	0.092	0.010	0.03	0.00
22	330	5.50	0.7	0.120	0.236	0.108	0.012	0.04	0.00
23	345	5.75	0.8	0.137	0.233	0.123	0.014	0.04	0.00
24	360	6.00	0.8	0.137	0.230	0.123	0.014	0.04	0.00
25	375	6.25	0.9	0.154	0.227	0.139	0.015	0.05	0.00
26	390	6.50	0.9	0.154	0.224	0.139	0.015	0.05	0.00
27	405	6.75	1.0	0.171	0.221	0.154	0.017	0.05	0.00
28	420	7.00	1.0	0.171	0.218	0.154	0.017	0.05	0.00
29	435	7.25	1.0	0.171	0.215	0.154	0.017	0.05	0.00
30	450	7.50	1.1	0.188	0.212	0.169	0.019	0.06	0.00
31	465	7.75	1.2	0.205	0.209	0.185	0.021	0.07	0.00
32	480	8.00	1.3	0.223	0.206	0.200	0.016	0.05	0.00
33	495	8.25	1.5	0.257	0.203	0.231	0.054	0.17	90.45
34	510	8.50	1.5	0.257	0.200	0.231	0.056	0.18	98.61
35	525	8.75	1.6	0.274	0.198	0.247	0.076	0.24	156.00
36	540	9.00	1.7	0.291	0.195	0.262	0.096	0.31	213.33
37	555	9.25	1.9	0.325	0.192	0.293	0.133	0.43	319.88
38	570	9.50	2.0	0.342	0.189	0.308	0.153	0.49	377.06
39	585	9.75	2.1	0.360	0.187	0.324	0.173	0.55	434.17
40	600	10.00	2.2	0.377	0.184	0.339	0.193	0.62	491.19
41	615	10.25	1.5	0.257	0.181	0.231	0.075	0.24	153.71
42	630	10.50	1.5	0.257	0.179	0.231	0.078	0.25	161.28
43	645	10.75	2.0	0.342	0.176	0.308	0.166	0.53	415.30
44	660	11.00	2.0	0.342	0.174	0.308	0.169	0.54	422.73
45	675	11.25	1.9	0.325	0.171	0.293	0.154	0.49	380.76
46	690	11.50	1.9	0.325	0.168	0.293	0.157	0.50	388.03
47	705	11.75	1.7	0.291	0.166	0.262	0.125	0.40	296.61
48	720	12.00	1.8	0.308	0.163	0.277	0.145	0.46	353.02
49	735	12.25	2.5	0.428	0.161	0.385	0.267	0.85	705.19
50	750	12.50	2.6	0.445	0.159	0.401	0.286	0.92	761.44
51	765	12.75	2.8	0.479	0.156	0.431	0.323	1.03	866.91
52	780	13.00	2.9	0.496	0.154	0.447	0.343	1.10	923.00
53	795	13.25	3.4	0.582	0.152	0.524	0.431	1.38	1176.23
54	810	13.50	3.4	0.582	0.149	0.524	0.433	1.38	1182.85
55	825	13.75	2.3	0.394	0.147	0.354	0.247	0.79	647.01
56	840	14.00	2.3	0.394	0.145	0.354	0.249	0.80	653.46
57	855	14.25	2.7	0.462	0.143	0.416	0.320	1.02	857.04
58	870	14.50	2.6	0.445	0.140	0.401	0.305	0.98	814.00
59	885	14.75	2.6	0.445	0.138	0.401	0.307	0.98	820.18
60	900	15.00	2.5	0.428	0.136	0.385	0.292	0.93	776.97
61	915	15.25	2.4	0.411	0.134	0.370	0.277	0.89	733.66
62	930	15.50	2.3	0.394	0.132	0.354	0.262	0.84	690.26
63	945	15.75	1.9	0.325	0.130	0.293	0.195	0.63	498.85
64	960	16.00	1.9	0.325	0.128	0.293	0.197	0.63	504.57
65	975	16.25	0.4	0.068	0.126	0.062	0.007	0.02	0.00
66	990	16.50	0.4	0.068	0.124	0.062	0.007	0.02	0.00
67	1005	16.75	0.3	0.051	0.122	0.046	0.005	0.02	0.00

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	3.200	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.1734
LAG TIME - MINUTES	1.38	MINIMUM LOSS RATE (for var. loss) - in/hr	0.087
UNIT TIME-PERCENT OF LAG	1086.4	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	4.28	C	0.00161
		PERCOLATION RATE (cfs)	0.07

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
68	1020	17.00	0.3	0.051	0.120	0.046	0.005	0.02	0.00
69	1035	17.25	0.5	0.086	0.119	0.077	0.009	0.03	0.00
70	1050	17.50	0.5	0.086	0.117	0.077	0.009	0.03	0.00
71	1065	17.75	0.5	0.086	0.115	0.077	0.009	0.03	0.00
72	1080	18.00	0.4	0.068	0.113	0.062	0.007	0.02	0.00
73	1095	18.25	0.4	0.068	0.112	0.062	0.007	0.02	0.00
74	1110	18.50	0.4	0.068	0.110	0.062	0.007	0.02	0.00
75	1125	18.75	0.3	0.051	0.108	0.046	0.005	0.02	0.00
76	1140	19.00	0.2	0.034	0.107	0.031	0.003	0.01	0.00
77	1155	19.25	0.3	0.051	0.105	0.046	0.005	0.02	0.00
78	1170	19.50	0.4	0.068	0.104	0.062	0.007	0.02	0.00
79	1185	19.75	0.3	0.051	0.103	0.046	0.005	0.02	0.00
80	1200	20.00	0.2	0.034	0.101	0.031	0.003	0.01	0.00
81	1215	20.25	0.3	0.051	0.100	0.046	0.005	0.02	0.00
82	1230	20.50	0.3	0.051	0.099	0.046	0.005	0.02	0.00
83	1245	20.75	0.3	0.051	0.097	0.046	0.005	0.02	0.00
84	1260	21.00	0.2	0.034	0.096	0.031	0.003	0.01	0.00
85	1275	21.25	0.3	0.051	0.095	0.046	0.005	0.02	0.00
86	1290	21.50	0.2	0.034	0.094	0.031	0.003	0.01	0.00
87	1305	21.75	0.3	0.051	0.093	0.046	0.005	0.02	0.00
88	1320	22.00	0.2	0.034	0.092	0.031	0.003	0.01	0.00
89	1335	22.25	0.3	0.051	0.091	0.046	0.005	0.02	0.00
90	1350	22.50	0.2	0.034	0.090	0.031	0.003	0.01	0.00
91	1365	22.75	0.2	0.034	0.089	0.031	0.003	0.01	0.00
92	1380	23.00	0.2	0.034	0.089	0.031	0.003	0.01	0.00
93	1395	23.25	0.2	0.034	0.088	0.031	0.003	0.01	0.00
94	1410	23.50	0.2	0.034	0.087	0.031	0.003	0.01	0.00
95	1425	23.75	0.2	0.034	0.087	0.031	0.003	0.01	0.00
96	1440	24.00	0.2	0.034	0.087	0.031	0.003	0.01	0.00

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	1.81
FLOOD VOLUME (acft)	0.48
FLOOD VOLUME (cuft)	21041.77
REQUIRED STORAGE (acft)	0.40
REQUIRED STORAGE (cuft)	17363.74
PEAK FLOW (cfs)	1.38

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
JOB # 0
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BASIN CHARACTERISTICS

CONTOUR	DEPTH		AREA		VOLUME		
	INCR (ft)	TOTAL (ft)	INCR (sf)	TOTAL (sf)	INCR (cuft)	TOTAL (cuft)	(acre-ft)
408	0	0		4560	0	0	0.00
409	1	1	910	5470	5015	5015	0.12
410	1	2	960	6430	5950	10965	0.25
411	1	3	1040	7470	6950	17915	0.41
411.5	0.5	3.5	510	7980	3863	21778	0.50

PERCOLATION CALCULATIONS
PERCOLATION RATE 0.67 in/hr 0.07 cfs

MAXWELL IV DRYWELLS
NUMBER USED 0
RATE/DRYWELL 0 cfs
TOTAL DISSIPATED 0 cfs

TOTAL PERCOLATION RATE 0.07 cfs

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JOB # 0

100 YEAR - 3 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.46	139	139	21	118	408.02	118	0.00
2	10	0.46	139	257	21	236	408.05	236	0.01
3	15	0.31	92	328	21	307	408.06	307	0.01
4	20	0.62	186	493	21	471	408.09	471	0.01
5	25	0.62	186	657	21	636	408.13	636	0.01
6	30	0.86	257	893	21	872	408.17	872	0.02
7	35	0.62	186	1,058	21	1,036	408.21	1,036	0.02
8	40	0.86	257	1,293	21	1,272	408.25	1,272	0.03
9	45	0.86	257	1,528	21	1,507	408.30	1,507	0.03
10	50	0.62	186	1,693	21	1,672	408.33	1,672	0.04
11	55	0.70	210	1,881	21	1,860	408.37	1,860	0.04
12	60	0.86	257	2,117	21	2,096	408.42	2,096	0.05
13	65	1.17	351	2,446	21	2,425	408.48	2,425	0.06
14	70	1.17	351	2,776	21	2,754	408.55	2,754	0.06
15	75	1.17	351	3,105	21	3,084	408.61	3,084	0.07
16	80	1.01	304	3,387	21	3,366	408.67	3,366	0.08
17	85	1.48	445	3,811	21	3,789	408.76	3,789	0.09
18	90	1.56	468	4,257	21	4,236	408.84	4,236	0.10
19	95	1.33	398	4,634	21	4,613	408.92	4,613	0.11
20	100	1.56	468	5,081	21	5,059	409.01	5,059	0.12
21	105	2.03	609	5,669	21	5,647	409.11	5,647	0.13
22	110	1.87	562	6,209	21	6,188	409.20	6,188	0.14
23	115	1.72	515	6,703	21	6,682	409.28	6,682	0.15
24	120	1.80	539	7,221	21	7,199	409.37	7,199	0.17
25	125	1.87	562	7,761	21	7,740	409.46	7,740	0.18
26	130	2.74	821	8,561	21	8,540	409.59	8,540	0.20
27	135	3.36	1,009	9,548	21	9,527	409.76	9,527	0.22
28	140	2.19	656	10,183	21	10,162	409.87	10,162	0.23
29	145	4.77	1,432	11,593	21	11,572	410.09	11,572	0.27
30	150	5.16	1,549	13,121	21	13,100	410.31	13,100	0.30
31	155	5.87	1,761	14,861	21	14,839	410.56	14,839	0.34
32	160	4.07	1,220	16,060	21	16,038	410.73	16,038	0.37
33	165	1.01	304	16,342	21	16,321	410.77	16,321	0.37
34	170	0.86	257	16,577	21	16,556	410.80	16,556	0.38
35	175	0.86	257	16,813	21	16,791	410.84	16,791	0.39
36	180	0.05	14	16,805	21	16,784	410.84	16,784	0.39

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JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.05	16	16	21	-	408.00	-	0.00
2	10	0.07	22	22	21	1	408.00	1	0.00
3	15	0.07	22	23	21	2	408.00	2	0.00
4	20	0.07	22	24	21	3	408.00	3	0.00
5	25	0.07	22	25	21	4	408.00	4	0.00
6	30	0.18	54	58	21	37	408.01	37	0.00
7	35	0.18	54	90	21	69	408.01	69	0.00
8	40	0.18	54	123	21	102	408.02	102	0.00
9	45	0.18	54	155	21	134	408.03	134	0.00
10	50	0.18	54	188	21	167	408.03	167	0.00
11	55	0.18	54	220	21	199	408.04	199	0.00
12	60	0.28	85	284	21	263	408.05	263	0.01
13	65	0.28	85	348	21	327	408.07	327	0.01
14	70	0.28	85	412	21	391	408.08	391	0.01
15	75	0.28	85	476	21	455	408.09	455	0.01
16	80	0.28	85	540	21	519	408.10	519	0.01
17	85	0.28	85	604	21	583	408.12	583	0.01
18	90	0.28	85	668	21	646	408.13	646	0.01
19	95	0.28	85	732	21	710	408.14	710	0.02
20	100	0.28	85	796	21	774	408.15	774	0.02
21	105	0.28	85	859	21	838	408.17	838	0.02
22	110	0.28	85	923	21	902	408.18	902	0.02
23	115	0.28	85	987	21	966	408.19	966	0.02
24	120	0.39	117	1,083	21	1,062	408.21	1,062	0.02
25	125	0.28	85	1,147	21	1,125	408.22	1,125	0.03
26	130	0.39	117	1,242	21	1,221	408.24	1,221	0.03
27	135	0.39	117	1,337	21	1,316	408.26	1,316	0.03
28	140	0.39	117	1,433	21	1,412	408.28	1,412	0.03
29	145	0.39	117	1,528	21	1,507	408.30	1,507	0.03
30	150	0.39	117	1,624	21	1,602	408.32	1,602	0.04
31	155	0.39	117	1,719	21	1,698	408.34	1,698	0.04
32	160	0.39	117	1,814	21	1,793	408.36	1,793	0.04
33	165	0.49	148	1,941	21	1,920	408.38	1,920	0.04
34	170	0.49	148	2,068	21	2,047	408.41	2,047	0.05
35	175	0.49	148	2,195	21	2,174	408.43	2,174	0.05
36	180	0.49	148	2,322	21	2,300	408.46	2,300	0.05
37	185	0.49	148	2,448	21	2,427	408.48	2,427	0.06
38	190	0.60	179	2,607	21	2,585	408.52	2,585	0.06
39	195	0.60	179	2,765	21	2,744	408.55	2,744	0.06
40	200	0.60	179	2,923	21	2,902	408.58	2,902	0.07
41	205	0.70	211	3,113	21	3,092	408.62	3,092	0.07
42	210	0.81	242	3,334	21	3,313	408.66	3,313	0.08
43	215	0.91	274	3,587	21	3,566	408.71	3,566	0.08
44	220	0.91	274	3,839	21	3,818	408.76	3,818	0.09
45	225	1.02	305	4,123	21	4,102	408.82	4,102	0.09
46	230	1.02	305	4,408	21	4,386	408.87	4,386	0.10
47	235	1.12	337	4,723	21	4,702	408.94	4,702	0.11
48	240	1.12	337	5,039	21	5,017	409.00	5,017	0.12
49	245	1.23	368	5,386	21	5,364	409.06	5,364	0.12
50	250	1.33	400	5,764	21	5,743	409.12	5,743	0.13
51	255	1.44	431	6,174	21	6,153	409.19	6,153	0.14
52	260	1.54	463	6,615	21	6,594	409.27	6,594	0.15
53	265	1.65	494	7,088	21	7,067	409.34	7,067	0.16
54	270	1.65	494	7,561	21	7,540	409.42	7,540	0.17
55	275	1.75	525	8,065	21	8,044	409.51	8,044	0.18

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JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
56	280	1.86	557	8,601	21	8,579	409.60	8,579	0.20
57	285	1.96	588	9,168	21	9,147	409.69	9,147	0.21
58	290	1.96	588	9,735	21	9,714	409.79	9,714	0.22
59	295	2.07	620	10,333	21	10,312	409.89	10,312	0.24
60	300	2.17	651	10,963	21	10,942	410.00	10,942	0.25
61	305	2.69	808	11,751	21	11,730	410.11	11,730	0.27
62	310	3.22	966	12,695	21	12,674	410.25	12,674	0.29
63	315	3.53	1,060	13,734	21	13,713	410.40	13,713	0.31
64	320	3.85	1,154	14,867	21	14,846	410.56	14,846	0.34
65	325	4.37	1,312	16,158	21	16,137	410.74	16,137	0.37
66	330	5.32	1,595	17,731	21	17,710	410.97	17,710	0.41
67	335	1.44	431	18,141	21	18,120	411.03	18,120	0.42
68	340	0.39	117	18,237	21	18,215	411.04	18,215	0.42
69	345	0.07	22	18,238	21	18,216	411.04	18,216	0.42
70	350	0.05	16	18,232	21	18,211	411.04	18,211	0.42
71	355	0.03	9	18,220	21	18,199	411.04	18,199	0.42
72	360	0.02	6	18,205	21	18,184	411.03	18,184	0.42

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JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	15	0.01	10	10	64	-	408.00	-	0.00
2	30	0.02	15	15	64	-	408.00	-	0.00
3	45	0.02	15	15	64	-	408.00	-	0.00
4	60	0.02	20	20	64	-	408.00	-	0.00
5	75	0.02	15	15	64	-	408.00	-	0.00
6	90	0.02	15	15	64	-	408.00	-	0.00
7	105	0.02	15	15	64	-	408.00	-	0.00
8	120	0.02	20	20	64	-	408.00	-	0.00
9	135	0.02	20	20	64	-	408.00	-	0.00
10	150	0.02	20	20	64	-	408.00	-	0.00
11	165	0.03	25	25	64	-	408.00	-	0.00
12	180	0.03	25	25	64	-	408.00	-	0.00
13	195	0.03	25	25	64	-	408.00	-	0.00
14	210	0.03	25	25	64	-	408.00	-	0.00
15	225	0.03	25	25	64	-	408.00	-	0.00
16	240	0.03	30	30	64	-	408.00	-	0.00
17	255	0.03	30	30	64	-	408.00	-	0.00
18	270	0.04	35	35	64	-	408.00	-	0.00
19	285	0.04	35	35	64	-	408.00	-	0.00
20	300	0.04	39	39	64	-	408.00	-	0.00
21	315	0.03	30	30	64	-	408.00	-	0.00
22	330	0.04	35	35	64	-	408.00	-	0.00
23	345	0.04	39	39	64	-	408.00	-	0.00
24	360	0.04	39	39	64	-	408.00	-	0.00
25	375	0.05	44	44	64	-	408.00	-	0.00
26	390	0.05	44	44	64	-	408.00	-	0.00
27	405	0.05	49	49	64	-	408.00	-	0.00
28	420	0.05	49	49	64	-	408.00	-	0.00
29	435	0.05	49	49	64	-	408.00	-	0.00
30	450	0.06	54	54	64	-	408.00	-	0.00
31	465	0.07	59	59	64	-	408.00	-	0.00
32	480	0.05	47	47	64	-	408.00	-	0.00
33	495	0.17	154	154	64	90	408.02	90	0.00
34	510	0.18	162	253	64	189	408.04	189	0.00
35	525	0.24	220	409	64	345	408.07	345	0.01
36	540	0.31	277	622	64	558	408.11	558	0.01
37	555	0.43	384	942	64	878	408.18	878	0.02
38	570	0.49	441	1,319	64	1,255	408.25	1,255	0.03
39	585	0.55	498	1,753	64	1,689	408.34	1,689	0.04
40	600	0.62	555	2,244	64	2,181	408.43	2,181	0.05
41	615	0.24	217	2,398	64	2,334	408.47	2,334	0.05
42	630	0.25	225	2,559	64	2,496	408.50	2,496	0.06
43	645	0.53	479	2,975	64	2,911	408.58	2,911	0.07
44	660	0.54	486	3,397	64	3,334	408.66	3,334	0.08
45	675	0.49	444	3,778	64	3,714	408.74	3,714	0.09
46	690	0.50	452	4,166	64	4,102	408.82	4,102	0.09
47	705	0.40	360	4,463	64	4,399	408.88	4,399	0.10
48	720	0.46	417	4,816	64	4,752	408.95	4,752	0.11
49	735	0.85	769	5,521	64	5,457	409.07	5,457	0.13
50	750	0.92	825	6,282	64	6,219	409.20	6,219	0.14
51	765	1.03	931	7,149	64	7,086	409.35	7,086	0.16
52	780	1.10	987	8,072	64	8,009	409.50	8,009	0.18
53	795	1.38	1,240	9,249	64	9,185	409.70	9,185	0.21
54	810	1.38	1,246	10,431	64	10,368	409.90	10,368	0.24
55	825	0.79	711	11,078	64	11,015	410.01	11,015	0.25
56	840	0.80	717	11,732	64	11,668	410.10	11,668	0.27
57	855	1.02	921	12,589	64	12,525	410.22	12,525	0.29
58	870	0.98	878	13,403	64	13,339	410.34	13,339	0.31

1

JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
59	885	0.98	884	14,223	64	14,159	410.46	14,159	0.33
60	900	0.93	841	15,000	64	14,936	410.57	14,936	0.34
61	915	0.89	797	15,734	64	15,670	410.68	15,670	0.36
62	930	0.84	754	16,424	64	16,360	410.78	16,360	0.38
63	945	0.63	563	16,923	64	16,859	410.85	16,859	0.39
64	960	0.63	568	17,427	64	17,364	410.92	17,364	0.40
65	975	0.02	20	17,383	64	17,320	410.91	17,320	0.40
66	990	0.02	20	17,340	64	17,276	410.91	17,276	0.40
67	1005	0.02	15	17,291	64	17,227	410.90	17,227	0.40
68	1020	0.02	15	17,242	64	17,178	410.89	17,178	0.39
69	1035	0.03	25	17,203	64	17,139	410.89	17,139	0.39
70	1050	0.03	25	17,164	64	17,100	410.88	17,100	0.39
71	1065	0.03	25	17,125	64	17,061	410.88	17,061	0.39
72	1080	0.02	20	17,081	64	17,017	410.87	17,017	0.39
73	1095	0.02	20	17,037	64	16,973	410.86	16,973	0.39
74	1110	0.02	20	16,993	64	16,929	410.86	16,929	0.39
75	1125	0.02	15	16,944	64	16,881	410.85	16,881	0.39
76	1140	0.01	10	16,890	64	16,827	410.84	16,827	0.39
77	1155	0.02	15	16,842	64	16,778	410.84	16,778	0.39
78	1170	0.02	20	16,798	64	16,734	410.83	16,734	0.38
79	1185	0.02	15	16,749	64	16,685	410.82	16,685	0.38
80	1200	0.01	10	16,695	64	16,631	410.82	16,631	0.38
81	1215	0.02	15	16,646	64	16,582	410.81	16,582	0.38
82	1230	0.02	15	16,597	64	16,534	410.80	16,534	0.38
83	1245	0.02	15	16,548	64	16,485	410.79	16,485	0.38
84	1260	0.01	10	16,495	64	16,431	410.79	16,431	0.38
85	1275	0.02	15	16,446	64	16,382	410.78	16,382	0.38
86	1290	0.01	10	16,392	64	16,328	410.77	16,328	0.37
87	1305	0.02	15	16,343	64	16,279	410.76	16,279	0.37
88	1320	0.01	10	16,289	64	16,226	410.76	16,226	0.37
89	1335	0.02	15	16,240	64	16,177	410.75	16,177	0.37
90	1350	0.01	10	16,187	64	16,123	410.74	16,123	0.37
91	1365	0.01	10	16,133	64	16,069	410.73	16,069	0.37
92	1380	0.01	10	16,079	64	16,015	410.73	16,015	0.37
93	1395	0.01	10	16,025	64	15,962	410.72	15,962	0.37
94	1410	0.01	10	15,971	64	15,908	410.71	15,908	0.37
95	1425	0.01	10	15,918	64	15,854	410.70	15,854	0.36
96	1440	0.01	10	15,864	64	15,800	410.70	15,800	0.36

	A	B	C	D
1	**RCFC&WCD SHORTCUT UNIT HYDROGRAPH METHOD**			
2	DATA INPUT SHEET			
3				
4	WORKSHEET PREPARED BY:	JAMES R. BAZUA, P.E.		
5				
6	PROJECT NAME	ARMTEC DEFENSE TECHNOLOGY - 10 YEAR		
7	JOB #			
8				
9	CONCENTRATION POINT DESIGNATION	1		
10	AREA DESIGNATION	3000 SF BUILDING		
11				
12	TRIBUTARY AREAS	ACRES		
13				
14	COMMERCIAL			
15	PAVING/HARDSCAPE	0.65		
16	SF - 1 ACRE			
17	SF - 1/2 ACRE			
18	SF - 1/4 ACRE			
19	MF - CONDOMINIUMS			
20	MF - APARTMENTS			
21	MOBILE HOME PARK			
22	LANDSCAPING			
23	RETENTION BASIN	2.03		
24	GOLF COURSE			
25	MOUNTAINOUS			
26	LOW LOSS RATE (PERCENT)	90%		
27				
28	LENGTH OF WATERCOURSE (L)	430		
29	LENGTH TO POINT OPPOSITE CENTROID (Lca)	100		
30				
31	ELEVATION OF HEADWATER	409		
32	ELEVATION OF CONCENTRATION POINT	408		
33				
34	AVERAGE MANNINGS 'N' VALUE	0.02		
35				
36	STORM FREQUENCY (YEAR)	100		
37				
38	POINT RAIN			
39	3-HOUR	0.992		
40	6-HOUR	1.29		
41	24-HOUR	2.09		
42				
43	BASIN CHARACTERISTICS:	ELEVATION	AREA	
44		404	50322	
45		405	54589	
46		406	58968	
47		407	63461	
48		407.5	65750	
49				
50				
51				
52	PERCOLATION RATE (in/hr)	0		
53		NEGLECTING INFILTRATION IN PARTIALLY		
54	DRYWELL DATA	FULL BASIN		
55	NUMBER USED			
56	PERCOLATION RATE (cfs)			

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
BASIC DATA CALCULATION FORM
SHORTCUT METHOD

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
JOB # 0
BY ES R. BAZUA, P.E. DATE 2/2/2025

PHYSICAL DATA

[1] CONCENTRATION POINT	1
[2] AREA DESIGNATION	3000 SF BUILDING
[3] AREA - ACRES	2.680
[4] L-FEET	430
[5] L-MILES	0.081
[6] La-FEET	100.00
[7] La-MILES	0.019
[8] ELEVATION OF HEADWATER	409
[9] ELEVATION OF CONCENTRATION POINT	408
[10] H-FEET	1
[11] S-FEET/MILE	12.3
[12] S^0.5	3.50
[13] L*LCA/S^0.5	0.000
[14] AVERAGE MANNINGS 'N'	0.02
[15] LAG TIME-HOURS	0.03
[16] LAG TIME-MINUTES	1.5
[17] 100% OF LAG-MINUTES	1.5
[18] 200% OF LAG-MINUTES	3.1
[19] UNIT TIME-MINUTES (100%-200% OF LAG)	5
[24] TOTAL PERCOLATION RATE (cfs)	0.00

RAINFALL DATA

[1] SOURCE
[2] FREQUENCY-YEARS 100
[3] DURATION:

3-HOURS				6-HOURS				24-HOURS			
[4] POINT RAIN INCHES (Plate E-5.2)	[5] AREA	[6]	[7] AVERAGE POINT RAIN INCHES	[8] POINT RAIN INCHES (Plate E-5.4)	[9] AREA	[10]	[11] AVERAGE POINT RAIN INCHES	[12] POINT RAIN INCHES (Plate E-5.6)	[13] AREA	[14]	[15] AVERAGE POINT RAIN INCHES
0.99	2.680	1.00	0.99	1.29	2.680	1.00	1.29	2.09	2.680	1.00	2.09
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
SUM [5]	2.68	SUM [7]	0.99	SUM [9]	2.68	SUM [11]	1.29	SUM [13]	2.68	SUM [15]	2.09
[16] AREA ADJ FACTOR			1.000				1.000				1.000
[17] ADJ AVG POINT RAIN			0.99				1.29				2.09

STORM EVENT SUMMARY

DURATION		3-HOUR	6-HOUR	24-HOUR
EFFECTIVE RAIN	(in)	0.17	0.16	0.21
FLOOD VOLUME	(cu-ft)	1,631	1,522	2,033
	(acre-ft)	0.04	0.03	0.05
REQUIRED STORAGE	(cu-ft)	1,617	1,509	2,016
	(acre-ft)	0.04	0.03	0.05
PEAK FLOW	(cfs)	1.15	0.86	0.08
MAXIMUM WSEL	(ft)	404.03	404.03	404.04

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD

PROJECT ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1
BY MES R. BAZUA, P.E. DATE 2/2/2025

ADJUSTED LOSS RATE

SOIL GROUP [Plate C-1]	LAND USE	RI NUMBER [Plate E-6.1]	PERVIOUS AREA INFILTRATION RATE (in/hr) [Plate E-6.2]	DECIMAL PERCENT OF AREA IMPERVIOUS [Plate E-6.3]	ADJUSTED INFILTRATION RATE (in/hr)	AREA		AVERAGE ADJUSTED INFILTRATION RATE (in/hr)
B	COMMERCIAL	56	0.70	90%	0.13	0.00	0.000	0.0000
B	PAVING/HARDSCAPE	56	0.70	100%	0.07	0.65	0.243	0.0170
B	SF - 1 ACRE	56	0.70	20%	0.57	0.00	0.000	0.0000
B	SF - 1/2 ACRE	56	0.70	40%	0.45	0.00	0.000	0.0000
B	SF - 1/4 ACRE	56	0.70	50%	0.39	0.00	0.000	0.0000
B	MF - COND0MINIUMS	56	0.70	65%	0.29	0.00	0.000	0.0000
B	MF - APARTMENTS	56	0.70	80%	0.20	0.00	0.000	0.0000
B	MOBILE HOME PARKS	56	0.70	75%	0.23	0.00	0.000	0.0000
B	LANDSCAPING	56	0.70	0%	0.70	0.00	0.000	0.0000
B	RETENTION BASINS	56	0.70	0%	0.70	2.03	0.757	0.5302
B	GOLF COURSE	56	0.70	0%	0.70	0.00	0.000	0.0000
D	MOUNTAINOUS	93	0.70	90%	0.13	0.00	0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					SUM	2.68	SUM	0.5472

VARIABLE LOSS RATE CURVE (24-HOUR STORM ONLY)

Fm= 0.273600746
C= 0.00507

Ft=C(24-(T/60))^1.55 = 0.00507 (24-(T/60))^1.55 + 0.27 in/hr

LOW LOSS RATE (80-90 PERCENT) = 90%

Where:

T=Time in minutes. To get an average value for each unit time period, Use T=1/2 the unit time for the first time period,
T=1 1/2 unit time for the second period, etc.

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 3 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: IES R. BAZUA, DATE 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.68
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.53
UNIT TIME-PERCENT OF LAG	327.3
TOTAL ADJUSTED STORM RAIN-INCHES	0.99
CONSTANT LOSS RATE-in/hr	0.55
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.00 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	1.3	0.155	0.55	0.14	0.02	0.04	12.44
2	10	0.17	1.3	0.155	0.55	0.14	0.02	0.04	12.44
3	15	0.25	1.1	0.131	0.55	0.12	0.01	0.04	10.53
4	20	0.33	1.5	0.179	0.55	0.16	0.02	0.05	14.36
5	25	0.42	1.5	0.179	0.55	0.16	0.02	0.05	14.36
6	30	0.50	1.8	0.214	0.55	0.19	0.02	0.06	17.23
7	35	0.58	1.5	0.179	0.55	0.16	0.02	0.05	14.36
8	40	0.67	1.8	0.214	0.55	0.19	0.02	0.06	17.23
9	45	0.75	1.8	0.214	0.55	0.19	0.02	0.06	17.23
10	50	0.83	1.5	0.179	0.55	0.16	0.02	0.05	14.36
11	55	0.92	1.6	0.190	0.55	0.17	0.02	0.05	15.31
12	60	1.00	1.8	0.214	0.55	0.19	0.02	0.06	17.23
13	65	1.08	2.2	0.262	0.55	0.24	0.03	0.07	21.06
14	70	1.17	2.2	0.262	0.55	0.24	0.03	0.07	21.06
15	75	1.25	2.2	0.262	0.55	0.24	0.03	0.07	21.06
16	80	1.33	2.0	0.238	0.55	0.21	0.02	0.06	19.14
17	85	1.42	2.6	0.310	0.55	0.28	0.03	0.08	24.88
18	90	1.50	2.7	0.321	0.55	0.29	0.03	0.09	25.84
19	95	1.58	2.4	0.286	0.55	0.26	0.03	0.08	22.97
20	100	1.67	2.7	0.321	0.55	0.29	0.03	0.09	25.84
21	105	1.75	3.3	0.393	0.55	0.35	0.04	0.11	31.58
22	110	1.83	3.1	0.369	0.55	0.33	0.04	0.10	29.67
23	115	1.92	2.9	0.345	0.55	0.31	0.03	0.09	27.76
24	120	2.00	3.0	0.357	0.55	0.32	0.04	0.10	28.71
25	125	2.08	3.1	0.369	0.55	0.33	0.04	0.10	29.67
26	130	2.17	4.2	0.500	0.55	0.45	0.05	0.13	40.20
27	135	2.25	5.0	0.595	0.55	0.54	0.05	0.13	38.59
28	140	2.33	3.5	0.417	0.55	0.37	0.04	0.11	33.50
29	145	2.42	6.8	0.809	0.55	0.73	0.26	0.70	210.87
30	150	2.50	7.3	0.869	0.55	0.78	0.32	0.86	258.72
31	155	2.58	8.2	0.976	0.55	0.88	0.43	1.15	344.86
32	160	2.67	5.9	0.702	0.55	0.63	0.16	0.42	124.73
33	165	2.75	2.0	0.238	0.55	0.21	0.02	0.06	19.14
34	170	2.83	1.8	0.214	0.55	0.19	0.02	0.06	17.23
35	175	2.92	1.8	0.214	0.55	0.19	0.02	0.06	17.23
36	180	3.00	0.6	0.071	0.55	0.06	0.01	0.02	5.74

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.17
FLOOD VOLUME (acft)	0.04
FLOOD VOLUME (cuft)	1630.57
REQUIRED STORAGE (acft)	0.04
REQUIRED STORAGE (cuft)	1617.09
PEAK FLOW RATE (cfs)	1.15

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.68
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.53
UNIT TIME-PERCENT OF LAG	327.3
TOTAL ADJUSTED STORM RAIN-INCHES	1.29
CONSTANT LOSS RATE-in/hr	0.547
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.00 cfs

Unit Time Period	Time		Pattern	Storm Rain	Loss Rate in/hr		Effective Rain	Flood Hydrograph Flow	Required Storage
	Minutes	Hours	Percent (Plate E-5.9)	in/hr	Max	Low	in/hr	cfs	cf
1	5	0.08	0.5	0.077	0.55	0.07	0.01	0.02	6.22
2	10	0.17	0.6	0.093	0.55	0.08	0.01	0.02	7.47
3	15	0.25	0.6	0.093	0.55	0.08	0.01	0.02	7.47
4	20	0.33	0.6	0.093	0.55	0.08	0.01	0.02	7.47
5	25	0.42	0.6	0.093	0.55	0.08	0.01	0.02	7.47
6	30	0.50	0.7	0.108	0.55	0.10	0.01	0.03	8.71
7	35	0.58	0.7	0.108	0.55	0.10	0.01	0.03	8.71
8	40	0.67	0.7	0.108	0.55	0.10	0.01	0.03	8.71
9	45	0.75	0.7	0.108	0.55	0.10	0.01	0.03	8.71
10	50	0.83	0.7	0.108	0.55	0.10	0.01	0.03	8.71
11	55	0.92	0.7	0.108	0.55	0.10	0.01	0.03	8.71
12	60	1.00	0.8	0.124	0.55	0.11	0.01	0.03	9.96
13	65	1.08	0.8	0.124	0.55	0.11	0.01	0.03	9.96
14	70	1.17	0.8	0.124	0.55	0.11	0.01	0.03	9.96
15	75	1.25	0.8	0.124	0.55	0.11	0.01	0.03	9.96
16	80	1.33	0.8	0.124	0.55	0.11	0.01	0.03	9.96
17	85	1.42	0.8	0.124	0.55	0.11	0.01	0.03	9.96
18	90	1.50	0.8	0.124	0.55	0.11	0.01	0.03	9.96
19	95	1.58	0.8	0.124	0.55	0.11	0.01	0.03	9.96
20	100	1.67	0.8	0.124	0.55	0.11	0.01	0.03	9.96
21	105	1.75	0.8	0.124	0.55	0.11	0.01	0.03	9.96
22	110	1.83	0.8	0.124	0.55	0.11	0.01	0.03	9.96
23	115	1.92	0.8	0.124	0.55	0.11	0.01	0.03	9.96
24	120	2.00	0.9	0.139	0.55	0.13	0.01	0.04	11.20
25	125	2.08	0.8	0.124	0.55	0.11	0.01	0.03	9.96
26	130	2.17	0.9	0.139	0.55	0.13	0.01	0.04	11.20
27	135	2.25	0.9	0.139	0.55	0.13	0.01	0.04	11.20
28	140	2.33	0.9	0.139	0.55	0.13	0.01	0.04	11.20
29	145	2.42	0.9	0.139	0.55	0.13	0.01	0.04	11.20
30	150	2.50	0.9	0.139	0.55	0.13	0.01	0.04	11.20
31	155	2.58	0.9	0.139	0.55	0.13	0.01	0.04	11.20
32	160	2.67	0.9	0.139	0.55	0.13	0.01	0.04	11.20
33	165	2.75	1.0	0.155	0.55	0.14	0.02	0.04	12.45
34	170	2.83	1.0	0.155	0.55	0.14	0.02	0.04	12.45
35	175	2.92	1.0	0.155	0.55	0.14	0.02	0.04	12.45
36	180	3.00	1.0	0.155	0.55	0.14	0.02	0.04	12.45
37	185	3.08	1.0	0.155	0.55	0.14	0.02	0.04	12.45
38	190	3.17	1.1	0.170	0.55	0.15	0.02	0.05	13.69
39	195	3.25	1.1	0.170	0.55	0.15	0.02	0.05	13.69
40	200	3.33	1.1	0.170	0.55	0.15	0.02	0.05	13.69
41	205	3.42	1.2	0.186	0.55	0.17	0.02	0.05	14.94
42	210	3.50	1.3	0.201	0.55	0.18	0.02	0.05	16.18
43	215	3.58	1.4	0.217	0.55	0.20	0.02	0.06	17.42
44	220	3.67	1.4	0.217	0.55	0.20	0.02	0.06	17.42
45	225	3.75	1.5	0.232	0.55	0.21	0.02	0.06	18.67
46	230	3.83	1.5	0.232	0.55	0.21	0.02	0.06	18.67
47	235	3.92	1.6	0.248	0.55	0.22	0.02	0.07	19.91
48	240	4.00	1.6	0.248	0.55	0.22	0.02	0.07	19.91
49	245	4.08	1.7	0.263	0.55	0.24	0.03	0.07	21.16
50	250	4.17	1.8	0.279	0.55	0.25	0.03	0.07	22.40
51	255	4.25	1.9	0.294	0.55	0.26	0.03	0.08	23.65
52	260	4.33	2.0	0.310	0.55	0.28	0.03	0.08	24.89
53	265	4.42	2.1	0.325	0.55	0.29	0.03	0.09	26.14
54	270	4.50	2.1	0.325	0.55	0.29	0.03	0.09	26.14
55	275	4.58	2.2	0.341	0.55	0.31	0.03	0.09	27.38
56	280	4.67	2.3	0.356	0.55	0.32	0.04	0.10	28.63

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.68
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.53
UNIT TIME-PERCENT OF LAG	327.3
TOTAL ADJUSTED STORM RAIN-INCHES	1.29
CONSTANT LOSS RATE-in/hr	0.547
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.00 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
57	285	4.75	2.4	0.372	0.55	0.33	0.04	0.10	29.87
58	290	4.83	2.4	0.372	0.55	0.33	0.04	0.10	29.87
59	295	4.92	2.5	0.387	0.55	0.35	0.04	0.10	31.11
60	300	5.00	2.6	0.402	0.55	0.36	0.04	0.11	32.36
61	305	5.08	3.1	0.480	0.55	0.43	0.05	0.13	38.58
62	310	5.17	3.6	0.557	0.55	0.50	0.01	0.03	8.10
63	315	5.25	3.9	0.604	0.55	0.54	0.06	0.15	45.44
64	320	5.33	4.2	0.650	0.55	0.59	0.10	0.28	82.78
65	325	5.42	4.7	0.728	0.55	0.65	0.18	0.48	145.01
66	330	5.50	5.6	0.867	0.55	0.78	0.32	0.86	257.02
67	335	5.58	1.9	0.294	0.55	0.26	0.03	0.08	23.65
68	340	5.67	0.9	0.139	0.55	0.13	0.01	0.04	11.20
69	345	5.75	0.6	0.093	0.55	0.08	0.01	0.02	7.47
70	350	5.83	0.5	0.077	0.55	0.07	0.01	0.02	6.22
71	355	5.92	0.3	0.046	0.55	0.04	0.00	0.01	3.73
72	360	6.00	0.2	0.031	0.55	0.03	0.00	0.01	2.49

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.16
FLOOD VOLUME (acft)	0.03
FLOOD VOLUME (cuft)	1521.72
REQUIRED STORAGE (acft)	0.03
REQUIRED STORAGE (cuft)	1509.13
PEAK FLOW RATE (cfs)	0.86

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.680	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.5472
LAG TIME - MINUTES	1.53	MINIMUM LOSS RATE (for var. loss) - in/hr	0.274
UNIT TIME-PERCENT OF LAG	982.0	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	2.09	C	0.00507
		PERCOLATION RATE (cfs)	0.00

Unit Time Period	Time		Pattern Percent	Storm Rain in/hr	Loss Rate in/hr		Effective Rain	Flood Hydrograph Flow	Required Storage
	Minutes	Hours	(Plate E-5.9)		Max	Low	in/hr	cfs	cf
1	15	0.25	0.2	0.017	0.966	0.015	0.002	0.00	4.03
2	30	0.50	0.3	0.025	0.955	0.023	0.003	0.01	6.05
3	45	0.75	0.3	0.025	0.944	0.023	0.003	0.01	6.05
4	60	1.00	0.4	0.033	0.933	0.030	0.003	0.01	8.07
5	75	1.25	0.3	0.025	0.922	0.023	0.003	0.01	6.05
6	90	1.50	0.3	0.025	0.911	0.023	0.003	0.01	6.05
7	105	1.75	0.3	0.025	0.900	0.023	0.003	0.01	6.05
8	120	2.00	0.4	0.033	0.889	0.030	0.003	0.01	8.07
9	135	2.25	0.4	0.033	0.878	0.030	0.003	0.01	8.07
10	150	2.50	0.4	0.033	0.868	0.030	0.003	0.01	8.07
11	165	2.75	0.5	0.042	0.857	0.038	0.004	0.01	10.08
12	180	3.00	0.5	0.042	0.847	0.038	0.004	0.01	10.08
13	195	3.25	0.5	0.042	0.836	0.038	0.004	0.01	10.08
14	210	3.50	0.5	0.042	0.826	0.038	0.004	0.01	10.08
15	225	3.75	0.5	0.042	0.815	0.038	0.004	0.01	10.08
16	240	4.00	0.6	0.050	0.805	0.045	0.005	0.01	12.10
17	255	4.25	0.6	0.050	0.795	0.045	0.005	0.01	12.10
18	270	4.50	0.7	0.059	0.785	0.053	0.006	0.02	14.12
19	285	4.75	0.7	0.059	0.775	0.053	0.006	0.02	14.12
20	300	5.00	0.8	0.067	0.765	0.060	0.007	0.02	16.13
21	315	5.25	0.6	0.050	0.755	0.045	0.005	0.01	12.10
22	330	5.50	0.7	0.059	0.745	0.053	0.006	0.02	14.12
23	345	5.75	0.8	0.067	0.735	0.060	0.007	0.02	16.13
24	360	6.00	0.8	0.067	0.726	0.060	0.007	0.02	16.13
25	375	6.25	0.9	0.075	0.716	0.068	0.008	0.02	18.15
26	390	6.50	0.9	0.075	0.706	0.068	0.008	0.02	18.15
27	405	6.75	1.0	0.084	0.697	0.075	0.008	0.02	20.16
28	420	7.00	1.0	0.084	0.687	0.075	0.008	0.02	20.16
29	435	7.25	1.0	0.084	0.678	0.075	0.008	0.02	20.16
30	450	7.50	1.1	0.092	0.669	0.083	0.009	0.02	22.18
31	465	7.75	1.2	0.100	0.660	0.090	0.010	0.03	24.20
32	480	8.00	1.3	0.109	0.651	0.098	0.011	0.03	26.21
33	495	8.25	1.5	0.125	0.642	0.113	0.013	0.03	30.25
34	510	8.50	1.5	0.125	0.633	0.113	0.013	0.03	30.25
35	525	8.75	1.6	0.134	0.624	0.120	0.013	0.04	32.26
36	540	9.00	1.7	0.142	0.615	0.128	0.014	0.04	34.28
37	555	9.25	1.9	0.159	0.606	0.143	0.016	0.04	38.31
38	570	9.50	2.0	0.167	0.598	0.150	0.017	0.04	40.33
39	585	9.75	2.1	0.176	0.589	0.158	0.018	0.05	42.35
40	600	10.00	2.2	0.184	0.581	0.166	0.018	0.05	44.36
41	615	10.25	1.5	0.125	0.572	0.113	0.013	0.03	30.25
42	630	10.50	1.5	0.125	0.564	0.113	0.013	0.03	30.25
43	645	10.75	2.0	0.167	0.556	0.150	0.017	0.04	40.33
44	660	11.00	2.0	0.167	0.548	0.150	0.017	0.04	40.33
45	675	11.25	1.9	0.159	0.540	0.143	0.016	0.04	38.31
46	690	11.50	1.9	0.159	0.532	0.143	0.016	0.04	38.31
47	705	11.75	1.7	0.142	0.524	0.128	0.014	0.04	34.28
48	720	12.00	1.8	0.150	0.516	0.135	0.015	0.04	36.30
49	735	12.25	2.5	0.209	0.508	0.188	0.021	0.06	50.41
50	750	12.50	2.6	0.217	0.501	0.196	0.022	0.06	52.43
51	765	12.75	2.8	0.234	0.493	0.211	0.023	0.06	56.46
52	780	13.00	2.9	0.242	0.486	0.218	0.024	0.06	58.48
53	795	13.25	3.4	0.284	0.478	0.256	0.028	0.08	68.56
54	810	13.50	3.4	0.284	0.471	0.256	0.028	0.08	68.56
55	825	13.75	2.3	0.192	0.464	0.173	0.019	0.05	46.38
56	840	14.00	2.3	0.192	0.457	0.173	0.019	0.05	46.38
57	855	14.25	2.7	0.226	0.450	0.203	0.023	0.06	54.44
58	870	14.50	2.6	0.217	0.443	0.196	0.022	0.06	52.43
59	885	14.75	2.6	0.217	0.436	0.196	0.022	0.06	52.43
60	900	15.00	2.5	0.209	0.430	0.188	0.021	0.06	50.41
61	915	15.25	2.4	0.201	0.423	0.181	0.020	0.05	48.39
62	930	15.50	2.3	0.192	0.417	0.173	0.019	0.05	46.38
63	945	15.75	1.9	0.159	0.410	0.143	0.016	0.04	38.31
64	960	16.00	1.9	0.159	0.404	0.143	0.016	0.04	38.31
65	975	16.25	0.4	0.033	0.398	0.030	0.003	0.01	8.07
66	990	16.50	0.4	0.033	0.392	0.030	0.003	0.01	8.07
67	1005	16.75	0.3	0.025	0.386	0.023	0.003	0.01	6.05

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.680	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.5472
LAG TIME - MINUTES	1.53	MINIMUM LOSS RATE (for var. loss) - in/hr	0.274
UNIT TIME-PERCENT OF LAG	982.0	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	2.09	C	0.00507
		PERCOLATION RATE (cfs)	0.00

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
68	1020	17.00	0.3	0.025	0.380	0.023	0.003	0.01	6.05
69	1035	17.25	0.5	0.042	0.374	0.038	0.004	0.01	10.08
70	1050	17.50	0.5	0.042	0.369	0.038	0.004	0.01	10.08
71	1065	17.75	0.5	0.042	0.363	0.038	0.004	0.01	10.08
72	1080	18.00	0.4	0.033	0.358	0.030	0.003	0.01	8.07
73	1095	18.25	0.4	0.033	0.352	0.030	0.003	0.01	8.07
74	1110	18.50	0.4	0.033	0.347	0.030	0.003	0.01	8.07
75	1125	18.75	0.3	0.025	0.342	0.023	0.003	0.01	6.05
76	1140	19.00	0.2	0.017	0.337	0.015	0.002	0.00	4.03
77	1155	19.25	0.3	0.025	0.333	0.023	0.003	0.01	6.05
78	1170	19.50	0.4	0.033	0.328	0.030	0.003	0.01	8.07
79	1185	19.75	0.3	0.025	0.324	0.023	0.003	0.01	6.05
80	1200	20.00	0.2	0.017	0.319	0.015	0.002	0.00	4.03
81	1215	20.25	0.3	0.025	0.315	0.023	0.003	0.01	6.05
82	1230	20.50	0.3	0.025	0.311	0.023	0.003	0.01	6.05
83	1245	20.75	0.3	0.025	0.307	0.023	0.003	0.01	6.05
84	1260	21.00	0.2	0.017	0.303	0.015	0.002	0.00	4.03
85	1275	21.25	0.3	0.025	0.300	0.023	0.003	0.01	6.05
86	1290	21.50	0.2	0.017	0.296	0.015	0.002	0.00	4.03
87	1305	21.75	0.3	0.025	0.293	0.023	0.003	0.01	6.05
88	1320	22.00	0.2	0.017	0.290	0.015	0.002	0.00	4.03
89	1335	22.25	0.3	0.025	0.287	0.023	0.003	0.01	6.05
90	1350	22.50	0.2	0.017	0.284	0.015	0.002	0.00	4.03
91	1365	22.75	0.2	0.017	0.282	0.015	0.002	0.00	4.03
92	1380	23.00	0.2	0.017	0.280	0.015	0.002	0.00	4.03
93	1395	23.25	0.2	0.017	0.278	0.015	0.002	0.00	4.03
94	1410	23.50	0.2	0.017	0.276	0.015	0.002	0.00	4.03
95	1425	23.75	0.2	0.017	0.275	0.015	0.002	0.00	4.03
96	1440	24.00	0.2	0.017	0.274	0.015	0.002	0.00	4.03

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.21
FLOOD VOLUME (acft)	0.05
FLOOD VOLUME (cuft)	2033.24
REQUIRED STORAGE (acft)	0.05
REQUIRED STORAGE (cuft)	2016.43
PEAK FLOW (cfs)	0.08

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 10 YEAR
JOB # 0
1

BASIN CHARACTERISTICS

CONTOUR	DEPTH		AREA		VOLUME		
	INCR (ft)	TOTAL (ft)	INCR (sf)	TOTAL (sf)	INCR (cuft)	TOTAL (cuft)	(acre-ft)
404	0	0		50322	0	0	0.00
405	1	1	4267	54589	52456	52456	1.20
406	1	2	4379	58968	56779	109234	2.51
407	1	3	4493	63461	61215	170449	3.91
407.5	0.5	3.5	2289	65750	32303	202751	4.65

PERCOLATION CALCULATIONS
PERCOLATION RATE 0 in/hr 0.00 cfs

MAXWELL IV DRYWELLS
NUMBER USED 0
RATE/DRYWELL 0 cfs
TOTAL DISSIPATED 0 cfs

TOTAL PERCOLATION RATE 0.00 cfs

1

JOB # 0

100 YEAR - 3 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.04	12	12	0	12	404.00	12	0.00
2	10	0.04	12	25	0	25	404.00	25	0.00
3	15	0.04	11	35	0	35	404.00	35	0.00
4	20	0.05	14	50	0	50	404.00	50	0.00
5	25	0.05	14	64	0	64	404.00	64	0.00
6	30	0.06	17	81	0	81	404.00	81	0.00
7	35	0.05	14	96	0	96	404.00	96	0.00
8	40	0.06	17	113	0	113	404.00	113	0.00
9	45	0.06	17	130	0	130	404.00	130	0.00
10	50	0.05	14	145	0	145	404.00	145	0.00
11	55	0.05	15	160	0	160	404.00	160	0.00
12	60	0.06	17	177	0	177	404.00	177	0.00
13	65	0.07	21	198	0	198	404.00	198	0.00
14	70	0.07	21	219	0	219	404.00	219	0.01
15	75	0.07	21	240	0	240	404.00	240	0.01
16	80	0.06	19	259	0	259	404.00	259	0.01
17	85	0.08	25	284	0	284	404.01	284	0.01
18	90	0.09	26	310	0	310	404.01	310	0.01
19	95	0.08	23	333	0	333	404.01	333	0.01
20	100	0.09	26	359	0	359	404.01	359	0.01
21	105	0.11	32	390	0	390	404.01	390	0.01
22	110	0.10	30	420	0	420	404.01	420	0.01
23	115	0.09	28	448	0	448	404.01	448	0.01
24	120	0.10	29	477	0	477	404.01	477	0.01
25	125	0.10	30	506	0	506	404.01	506	0.01
26	130	0.13	40	546	0	546	404.01	546	0.01
27	135	0.13	39	585	0	585	404.01	585	0.01
28	140	0.11	33	619	0	619	404.01	619	0.01
29	145	0.70	211	829	0	829	404.02	829	0.02
30	150	0.86	259	1,088	0	1,088	404.02	1,088	0.02
31	155	1.15	345	1,433	0	1,433	404.03	1,433	0.03
32	160	0.42	125	1,558	0	1,558	404.03	1,558	0.04
33	165	0.06	19	1,577	0	1,577	404.03	1,577	0.04
34	170	0.06	17	1,594	0	1,594	404.03	1,594	0.04
35	175	0.06	17	1,611	0	1,611	404.03	1,611	0.04
36	180	0.02	6	1,617	0	1,617	404.03	1,617	0.04

1

JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.02	6	6	0	6	404.00	6	0.00
2	10	0.02	7	14	0	14	404.00	14	0.00
3	15	0.02	7	21	0	21	404.00	21	0.00
4	20	0.02	7	29	0	29	404.00	29	0.00
5	25	0.02	7	36	0	36	404.00	36	0.00
6	30	0.03	9	45	0	45	404.00	45	0.00
7	35	0.03	9	54	0	54	404.00	54	0.00
8	40	0.03	9	62	0	62	404.00	62	0.00
9	45	0.03	9	71	0	71	404.00	71	0.00
10	50	0.03	9	80	0	80	404.00	80	0.00
11	55	0.03	9	88	0	88	404.00	88	0.00
12	60	0.03	10	98	0	98	404.00	98	0.00
13	65	0.03	10	108	0	108	404.00	108	0.00
14	70	0.03	10	118	0	118	404.00	118	0.00
15	75	0.03	10	128	0	128	404.00	128	0.00
16	80	0.03	10	138	0	138	404.00	138	0.00
17	85	0.03	10	148	0	148	404.00	148	0.00
18	90	0.03	10	158	0	158	404.00	158	0.00
19	95	0.03	10	168	0	168	404.00	168	0.00
20	100	0.03	10	178	0	178	404.00	178	0.00
21	105	0.03	10	188	0	188	404.00	188	0.00
22	110	0.03	10	198	0	198	404.00	198	0.00
23	115	0.03	10	208	0	208	404.00	208	0.00
24	120	0.04	11	219	0	219	404.00	219	0.01
25	125	0.03	10	229	0	229	404.00	229	0.01
26	130	0.04	11	240	0	240	404.00	240	0.01
27	135	0.04	11	251	0	251	404.00	251	0.01
28	140	0.04	11	263	0	263	404.01	263	0.01
29	145	0.04	11	274	0	274	404.01	274	0.01
30	150	0.04	11	285	0	285	404.01	285	0.01
31	155	0.04	11	296	0	296	404.01	296	0.01
32	160	0.04	11	307	0	307	404.01	307	0.01
33	165	0.04	12	320	0	320	404.01	320	0.01
34	170	0.04	12	332	0	332	404.01	332	0.01
35	175	0.04	12	345	0	345	404.01	345	0.01
36	180	0.04	12	357	0	357	404.01	357	0.01
37	185	0.04	12	370	0	370	404.01	370	0.01
38	190	0.05	14	383	0	383	404.01	383	0.01
39	195	0.05	14	397	0	397	404.01	397	0.01
40	200	0.05	14	411	0	411	404.01	411	0.01
41	205	0.05	15	426	0	426	404.01	426	0.01
42	210	0.05	16	442	0	442	404.01	442	0.01
43	215	0.06	17	459	0	459	404.01	459	0.01
44	220	0.06	17	477	0	477	404.01	477	0.01
45	225	0.06	19	495	0	495	404.01	495	0.01
46	230	0.06	19	514	0	514	404.01	514	0.01
47	235	0.07	20	534	0	534	404.01	534	0.01
48	240	0.07	20	554	0	554	404.01	554	0.01
49	245	0.07	21	575	0	575	404.01	575	0.01
50	250	0.07	22	597	0	597	404.01	597	0.01
51	255	0.08	24	621	0	621	404.01	621	0.01
52	260	0.08	25	646	0	646	404.01	646	0.01
53	265	0.09	26	672	0	672	404.01	672	0.02
54	270	0.09	26	698	0	698	404.01	698	0.02
55	275	0.09	27	726	0	726	404.01	726	0.02

1

JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
56	280	0.10	29	754	0	754	404.01	754	0.02
57	285	0.10	30	784	0	784	404.01	784	0.02
58	290	0.10	30	814	0	814	404.02	814	0.02
59	295	0.10	31	845	0	845	404.02	845	0.02
60	300	0.11	32	877	0	877	404.02	877	0.02
61	305	0.13	39	916	0	916	404.02	916	0.02
62	310	0.03	8	924	0	924	404.02	924	0.02
63	315	0.15	45	970	0	970	404.02	970	0.02
64	320	0.28	83	1,052	0	1,052	404.02	1,052	0.02
65	325	0.48	145	1,197	0	1,197	404.02	1,197	0.03
66	330	0.86	257	1,454	0	1,454	404.03	1,454	0.03
67	335	0.08	24	1,478	0	1,478	404.03	1,478	0.03
68	340	0.04	11	1,489	0	1,489	404.03	1,489	0.03
69	345	0.02	7	1,497	0	1,497	404.03	1,497	0.03
70	350	0.02	6	1,503	0	1,503	404.03	1,503	0.03
71	355	0.01	4	1,507	0	1,507	404.03	1,507	0.03
72	360	0.01	2	1,509	0	1,509	404.03	1,509	0.03

1

JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	15	0.00	4	4	0	4	404.00	4	0.00
2	30	0.01	6	10	0	10	404.00	10	0.00
3	45	0.01	6	16	0	16	404.00	16	0.00
4	60	0.01	8	24	0	24	404.00	24	0.00
5	75	0.01	6	30	0	30	404.00	30	0.00
6	90	0.01	6	36	0	36	404.00	36	0.00
7	105	0.01	6	42	0	42	404.00	42	0.00
8	120	0.01	8	50	0	50	404.00	50	0.00
9	135	0.01	8	58	0	58	404.00	58	0.00
10	150	0.01	8	67	0	67	404.00	67	0.00
11	165	0.01	10	77	0	77	404.00	77	0.00
12	180	0.01	10	87	0	87	404.00	87	0.00
13	195	0.01	10	97	0	97	404.00	97	0.00
14	210	0.01	10	107	0	107	404.00	107	0.00
15	225	0.01	10	117	0	117	404.00	117	0.00
16	240	0.01	12	129	0	129	404.00	129	0.00
17	255	0.01	12	141	0	141	404.00	141	0.00
18	270	0.02	14	155	0	155	404.00	155	0.00
19	285	0.02	14	169	0	169	404.00	169	0.00
20	300	0.02	16	186	0	186	404.00	186	0.00
21	315	0.01	12	198	0	198	404.00	198	0.00
22	330	0.02	14	212	0	212	404.00	212	0.00
23	345	0.02	16	228	0	228	404.00	228	0.01
24	360	0.02	16	244	0	244	404.00	244	0.01
25	375	0.02	18	262	0	262	404.00	262	0.01
26	390	0.02	18	280	0	280	404.01	280	0.01
27	405	0.02	20	300	0	300	404.01	300	0.01
28	420	0.02	20	321	0	321	404.01	321	0.01
29	435	0.02	20	341	0	341	404.01	341	0.01
30	450	0.02	22	363	0	363	404.01	363	0.01
31	465	0.03	24	387	0	387	404.01	387	0.01
32	480	0.03	26	413	0	413	404.01	413	0.01
33	495	0.03	30	444	0	444	404.01	444	0.01
34	510	0.03	30	474	0	474	404.01	474	0.01
35	525	0.04	32	506	0	506	404.01	506	0.01
36	540	0.04	34	540	0	540	404.01	540	0.01
37	555	0.04	38	579	0	579	404.01	579	0.01
38	570	0.04	40	619	0	619	404.01	619	0.01
39	585	0.05	42	661	0	661	404.01	661	0.02
40	600	0.05	44	706	0	706	404.01	706	0.02
41	615	0.03	30	736	0	736	404.01	736	0.02
42	630	0.03	30	766	0	766	404.01	766	0.02
43	645	0.04	40	807	0	807	404.02	807	0.02
44	660	0.04	40	847	0	847	404.02	847	0.02
45	675	0.04	38	885	0	885	404.02	885	0.02
46	690	0.04	38	924	0	924	404.02	924	0.02
47	705	0.04	34	958	0	958	404.02	958	0.02
48	720	0.04	36	994	0	994	404.02	994	0.02
49	735	0.06	50	1,045	0	1,045	404.02	1,045	0.02
50	750	0.06	52	1,097	0	1,097	404.02	1,097	0.03
51	765	0.06	56	1,153	0	1,153	404.02	1,153	0.03
52	780	0.06	58	1,212	0	1,212	404.02	1,212	0.03
53	795	0.08	69	1,280	0	1,280	404.02	1,280	0.03
54	810	0.08	69	1,349	0	1,349	404.03	1,349	0.03
55	825	0.05	46	1,395	0	1,395	404.03	1,395	0.03
56	840	0.05	46	1,442	0	1,442	404.03	1,442	0.03
57	855	0.06	54	1,496	0	1,496	404.03	1,496	0.03
58	870	0.06	52	1,549	0	1,549	404.03	1,549	0.04

1

JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
59	885	0.06	52	1,601	0	1,601	404.03	1,601	0.04
60	900	0.06	50	1,651	0	1,651	404.03	1,651	0.04
61	915	0.05	48	1,700	0	1,700	404.03	1,700	0.04
62	930	0.05	46	1,746	0	1,746	404.03	1,746	0.04
63	945	0.04	38	1,785	0	1,785	404.03	1,785	0.04
64	960	0.04	38	1,823	0	1,823	404.03	1,823	0.04
65	975	0.01	8	1,831	0	1,831	404.03	1,831	0.04
66	990	0.01	8	1,839	0	1,839	404.04	1,839	0.04
67	1005	0.01	6	1,845	0	1,845	404.04	1,845	0.04
68	1020	0.01	6	1,851	0	1,851	404.04	1,851	0.04
69	1035	0.01	10	1,861	0	1,861	404.04	1,861	0.04
70	1050	0.01	10	1,871	0	1,871	404.04	1,871	0.04
71	1065	0.01	10	1,881	0	1,881	404.04	1,881	0.04
72	1080	0.01	8	1,889	0	1,889	404.04	1,889	0.04
73	1095	0.01	8	1,897	0	1,897	404.04	1,897	0.04
74	1110	0.01	8	1,906	0	1,906	404.04	1,906	0.04
75	1125	0.01	6	1,912	0	1,912	404.04	1,912	0.04
76	1140	0.00	4	1,916	0	1,916	404.04	1,916	0.04
77	1155	0.01	6	1,922	0	1,922	404.04	1,922	0.04
78	1170	0.01	8	1,930	0	1,930	404.04	1,930	0.04
79	1185	0.01	6	1,936	0	1,936	404.04	1,936	0.04
80	1200	0.00	4	1,940	0	1,940	404.04	1,940	0.04
81	1215	0.01	6	1,946	0	1,946	404.04	1,946	0.04
82	1230	0.01	6	1,952	0	1,952	404.04	1,952	0.04
83	1245	0.01	6	1,958	0	1,958	404.04	1,958	0.04
84	1260	0.00	4	1,962	0	1,962	404.04	1,962	0.05
85	1275	0.01	6	1,968	0	1,968	404.04	1,968	0.05
86	1290	0.00	4	1,972	0	1,972	404.04	1,972	0.05
87	1305	0.01	6	1,978	0	1,978	404.04	1,978	0.05
88	1320	0.00	4	1,982	0	1,982	404.04	1,982	0.05
89	1335	0.01	6	1,988	0	1,988	404.04	1,988	0.05
90	1350	0.00	4	1,992	0	1,992	404.04	1,992	0.05
91	1365	0.00	4	1,996	0	1,996	404.04	1,996	0.05
92	1380	0.00	4	2,000	0	2,000	404.04	2,000	0.05
93	1395	0.00	4	2,004	0	2,004	404.04	2,004	0.05
94	1410	0.00	4	2,008	0	2,008	404.04	2,008	0.05
95	1425	0.00	4	2,012	0	2,012	404.04	2,012	0.05
96	1440	0.00	4	2,016	0	2,016	404.04	2,016	0.05

	A	B	C	D
1	**RCFC&WCD SHORTCUT UNIT HYDROGRAPH METHOD**			
2	DATA INPUT SHEET			
3				
4	WORKSHEET PREPARED BY:	JAMES R. BAZUA, P.E.		
5				
6	PROJECT NAME	ARMTEC DEFENSE TECHNOLOGY - 100 YEAR		
7	JOB #			
8				
9	CONCENTRATION POINT DESIGNATION	1		
10	AREA DESIGNATION	3000 SF BUILDING		
11				
12	TRIBUTARY AREAS	ACRES		
13				
14	COMMERCIAL			
15	PAVING/HARDSCAPE	0.65		
16	SF - 1 ACRE			
17	SF - 1/2 ACRE			
18	SF - 1/4 ACRE			
19	MF - CONDOMINIUMS			
20	MF - APARTMENTS			
21	MOBILE HOME PARK			
22	LANDSCAPING			
23	RETENTION BASIN	2.03		
24	GOLF COURSE			
25	MOUNTAINOUS			
26	LOW LOSS RATE (PERCENT)	90%		
27				
28	LENGTH OF WATERCOURSE (L)	430		
29	LENGTH TO POINT OPPOSITE CENTROID (Lca)	100		
30				
31	ELEVATION OF HEADWATER	409		
32	ELEVATION OF CONCENTRATION POINT	408		
33				
34	AVERAGE MANNINGS 'N' VALUE	0.02		
35				
36	STORM FREQUENCY (YEAR)	100		
37				
38	POINT RAIN			
39	3-HOUR	2.04		
40	6-HOUR	2.73		
41	24-HOUR	4.28		
42				
43	BASIN CHARACTERISTICS:	ELEVATION	AREA	
44		404	50322	
45		405	54589	
46		406	58968	
47		407	63641	
48		407.5	65750	
49				
50				
51				
52	PERCOLATION RATE (in/hr)	0		
53		NEGLECTING INFILTRATION IN		
54	DRYWELL DATA	PARTIALLY FULL BASIN		
55	NUMBER USED			
56	PERCOLATION RATE (cfs)			

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
BASIC DATA CALCULATION FORM
SHORTCUT METHOD

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
JOB # 0
BY ES R. BAZUA, P.E. DATE 2/2/2025

PHYSICAL DATA

[1] CONCENTRATION POINT	1
[2] AREA DESIGNATION	3000 SF BUILDING
[3] AREA - ACRES	2.680
[4] L-FEET	430
[5] L-MILES	0.081
[6] La-FEET	100.00
[7] La-MILES	0.019
[8] ELEVATION OF HEADWATER	409
[9] ELEVATION OF CONCENTRATION POINT	408
[10] H-FEET	1
[11] S-FEET/MILE	12.3
[12] S^0.5	3.50
[13] L*LCA/S^0.5	0.000
[14] AVERAGE MANNINGS 'N'	0.02
[15] LAG TIME-HOURS	0.03
[16] LAG TIME-MINUTES	1.5
[17] 100% OF LAG-MINUTES	1.5
[18] 200% OF LAG-MINUTES	3.1
[19] UNIT TIME-MINUTES (100%-200% OF LAG)	5
[24] TOTAL PERCOLATION RATE (cfs)	0.00

RAINFALL DATA

[1] SOURCE
[2] FREQUENCY-YEARS 100
[3] DURATION:

3-HOURS				6-HOURS				24-HOURS			
[4] POINT RAIN INCHES (Plate E-5.2)	[5] AREA	[6]	[7] AVERAGE POINT RAIN INCHES	[8] POINT RAIN INCHES (Plate E-5.4)	[9] AREA	[10]	[11] AVERAGE POINT RAIN INCHES	[12] POINT RAIN INCHES (Plate E-5.6)	[13] AREA	[14]	[15] AVERAGE POINT RAIN INCHES
2.04	2.680	1.00	2.04	2.73	2.680	1.00	2.73	4.28	2.680	1.00	4.28
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
		0.00	0.00			0.00	0.00			0.00	0.00
SUM [5]	2.68	SUM [7]	2.04	SUM [9]	2.68	SUM [11]	2.73	SUM [13]	2.68	SUM [15]	4.28
[16] AREA ADJ FACTOR			1.000				1.000				1.000
[17] ADJ AVG POINT RAIN			2.04				2.73				4.28

STORM EVENT SUMMARY

DURATION		3-HOUR	6-HOUR	24-HOUR
EFFECTIVE RAIN	(in)	0.91	0.95	0.66
FLOOD VOLUME	(cu-ft)	8,823	9,218	6,430
	(acre-ft)	0.20	0.21	0.15
REQUIRED STORAGE	(cu-ft)	8,750	9,142	6,377
	(acre-ft)	0.20	0.21	0.15
PEAK FLOW	(cfs)	4.29	3.83	0.62
MAXIMUM WSEL	(ft)	404.17	404.17	404.12

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD

PROJECT ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1
BY MES R. BAZUA, P.E. DATE 2/2/2025

ADJUSTED LOSS RATE

SOIL GROUP [Plate C-1]	LAND USE	RI NUMBER [Plate E-6.1]	PERVIOUS AREA INFILTRATION RATE (in/hr) [Plate E-6.2]	DECIMAL PERCENT OF AREA IMPERVIOUS [Plate E-6.3]	ADJUSTED INFILTRATION RATE (in/hr)	AREA		AVERAGE ADJUSTED INFILTRATION RATE (in/hr)
B	COMMERCIAL	56	0.52	90%	0.10	0.00	0.000	0.0000
B	PAVING/HARDSCAPE	56	0.52	100%	0.05	0.65	0.243	0.0126
B	SF - 1 ACRE	56	0.52	20%	0.43	0.00	0.000	0.0000
B	SF - 1/2 ACRE	56	0.52	40%	0.33	0.00	0.000	0.0000
B	SF - 1/4 ACRE	56	0.52	50%	0.29	0.00	0.000	0.0000
B	MF - COND0MINIUMS	56	0.52	65%	0.22	0.00	0.000	0.0000
B	MF - APARTMENTS	56	0.52	80%	0.15	0.00	0.000	0.0000
B	MOBILE HOME PARKS	56	0.52	75%	0.17	0.00	0.000	0.0000
B	LANDSCAPING	56	0.52	0%	0.52	0.00	0.000	0.0000
B	RETENTION BASINS	56	0.52	0%	0.52	2.03	0.757	0.3939
B	GOLF COURSE	56	0.52	0%	0.52	0.00	0.000	0.0000
D	MOUNTAINOUS	93	0.95	90%	0.18	0.00	0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					0.00		0.000	0.0000
					SUM	2.68	SUM	0.4065

VARIABLE LOSS RATE CURVE (24-HOUR STORM ONLY)

Fm= 0.203246269
C= 0.00376

Ft=C(24-(T/60))^1.55 = 0.00376 (24-(T/60))^1.55 + 0.20 in/hr

LOW LOSS RATE (80-90 PERCENT) = 90%

Where:

T=Time in minutes. To get an average value for each unit time period, Use T=1/2 the unit time for the first time period,
T=1 1/2 unit time for the second period, etc.

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 3 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1

BY: IES R. BAZUA, DATE 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.68
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.53
UNIT TIME-PERCENT OF LAG	327.3
TOTAL ADJUSTED STORM RAIN-INCHES	2.04
CONSTANT LOSS RATE-in/hr	0.41
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.00 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	1.3	0.318	0.41	0.29	0.03	0.09	25.59
2	10	0.17	1.3	0.318	0.41	0.29	0.03	0.09	25.59
3	15	0.25	1.1	0.269	0.41	0.24	0.03	0.07	21.65
4	20	0.33	1.5	0.367	0.41	0.33	0.04	0.10	29.52
5	25	0.42	1.5	0.367	0.41	0.33	0.04	0.10	29.52
6	30	0.50	1.8	0.441	0.41	0.40	0.03	0.09	27.45
7	35	0.58	1.5	0.367	0.41	0.33	0.04	0.10	29.52
8	40	0.67	1.8	0.441	0.41	0.40	0.03	0.09	27.45
9	45	0.75	1.8	0.441	0.41	0.40	0.03	0.09	27.45
10	50	0.83	1.5	0.367	0.41	0.33	0.04	0.10	29.52
11	55	0.92	1.6	0.392	0.41	0.35	0.04	0.10	31.49
12	60	1.00	1.8	0.441	0.41	0.40	0.03	0.09	27.45
13	65	1.08	2.2	0.539	0.41	0.48	0.13	0.35	106.18
14	70	1.17	2.2	0.539	0.41	0.48	0.13	0.35	106.18
15	75	1.25	2.2	0.539	0.41	0.48	0.13	0.35	106.18
16	80	1.33	2.0	0.490	0.41	0.44	0.08	0.22	66.82
17	85	1.42	2.6	0.636	0.41	0.57	0.23	0.62	184.91
18	90	1.50	2.7	0.661	0.41	0.59	0.25	0.68	204.59
19	95	1.58	2.4	0.588	0.41	0.53	0.18	0.49	145.55
20	100	1.67	2.7	0.661	0.41	0.59	0.25	0.68	204.59
21	105	1.75	3.3	0.808	0.41	0.73	0.40	1.08	322.68
22	110	1.83	3.1	0.759	0.41	0.68	0.35	0.94	283.32
23	115	1.92	2.9	0.710	0.41	0.64	0.30	0.81	243.96
24	120	2.00	3.0	0.734	0.41	0.66	0.33	0.88	263.64
25	125	2.08	3.1	0.759	0.41	0.68	0.35	0.94	283.32
26	130	2.17	4.2	1.028	0.41	0.93	0.62	1.67	499.82
27	135	2.25	5.0	1.224	0.41	1.10	0.82	2.19	657.28
28	140	2.33	3.5	0.857	0.41	0.77	0.45	1.21	362.05
29	145	2.42	6.8	1.665	0.41	1.50	1.26	3.37	1011.55
30	150	2.50	7.3	1.787	0.41	1.61	1.38	3.70	1109.96
31	155	2.58	8.2	2.007	0.41	1.81	1.60	4.29	1287.10
32	160	2.67	5.9	1.444	0.41	1.30	1.04	2.78	834.41
33	165	2.75	2.0	0.490	0.41	0.44	0.08	0.22	66.82
34	170	2.83	1.8	0.441	0.41	0.40	0.03	0.09	27.45
35	175	2.92	1.8	0.441	0.41	0.40	0.03	0.09	27.45
36	180	3.00	0.6	0.147	0.41	0.13	0.01	0.04	11.81

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.91
FLOOD VOLUME (acft)	0.20
FLOOD VOLUME (cuft)	8822.80
REQUIRED STORAGE (acft)	0.20
REQUIRED STORAGE (cuft)	8749.85
PEAK FLOW RATE (cfs)	4.29

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEA
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.68
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.53
UNIT TIME-PERCENT OF LAG	327.3
TOTAL ADJUSTED STORM RAIN-INCHES	2.73
CONSTANT LOSS RATE-in/hr	0.406
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.00 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
1	5	0.08	0.5	0.164	0.41	0.15	0.02	0.04	13.17
2	10	0.17	0.6	0.197	0.41	0.18	0.02	0.05	15.80
3	15	0.25	0.6	0.197	0.41	0.18	0.02	0.05	15.80
4	20	0.33	0.6	0.197	0.41	0.18	0.02	0.05	15.80
5	25	0.42	0.6	0.197	0.41	0.18	0.02	0.05	15.80
6	30	0.50	0.7	0.229	0.41	0.21	0.02	0.06	18.44
7	35	0.58	0.7	0.229	0.41	0.21	0.02	0.06	18.44
8	40	0.67	0.7	0.229	0.41	0.21	0.02	0.06	18.44
9	45	0.75	0.7	0.229	0.41	0.21	0.02	0.06	18.44
10	50	0.83	0.7	0.229	0.41	0.21	0.02	0.06	18.44
11	55	0.92	0.7	0.229	0.41	0.21	0.02	0.06	18.44
12	60	1.00	0.8	0.262	0.41	0.24	0.03	0.07	21.07
13	65	1.08	0.8	0.262	0.41	0.24	0.03	0.07	21.07
14	70	1.17	0.8	0.262	0.41	0.24	0.03	0.07	21.07
15	75	1.25	0.8	0.262	0.41	0.24	0.03	0.07	21.07
16	80	1.33	0.8	0.262	0.41	0.24	0.03	0.07	21.07
17	85	1.42	0.8	0.262	0.41	0.24	0.03	0.07	21.07
18	90	1.50	0.8	0.262	0.41	0.24	0.03	0.07	21.07
19	95	1.58	0.8	0.262	0.41	0.24	0.03	0.07	21.07
20	100	1.67	0.8	0.262	0.41	0.24	0.03	0.07	21.07
21	105	1.75	0.8	0.262	0.41	0.24	0.03	0.07	21.07
22	110	1.83	0.8	0.262	0.41	0.24	0.03	0.07	21.07
23	115	1.92	0.8	0.262	0.41	0.24	0.03	0.07	21.07
24	120	2.00	0.9	0.295	0.41	0.27	0.03	0.08	23.71
25	125	2.08	0.8	0.262	0.41	0.24	0.03	0.07	21.07
26	130	2.17	0.9	0.295	0.41	0.27	0.03	0.08	23.71
27	135	2.25	0.9	0.295	0.41	0.27	0.03	0.08	23.71
28	140	2.33	0.9	0.295	0.41	0.27	0.03	0.08	23.71
29	145	2.42	0.9	0.295	0.41	0.27	0.03	0.08	23.71
30	150	2.50	0.9	0.295	0.41	0.27	0.03	0.08	23.71
31	155	2.58	0.9	0.295	0.41	0.27	0.03	0.08	23.71
32	160	2.67	0.9	0.295	0.41	0.27	0.03	0.08	23.71
33	165	2.75	1.0	0.328	0.41	0.29	0.03	0.09	26.34
34	170	2.83	1.0	0.328	0.41	0.29	0.03	0.09	26.34
35	175	2.92	1.0	0.328	0.41	0.29	0.03	0.09	26.34
36	180	3.00	1.0	0.328	0.41	0.29	0.03	0.09	26.34
37	185	3.08	1.0	0.328	0.41	0.29	0.03	0.09	26.34
38	190	3.17	1.1	0.360	0.41	0.32	0.04	0.10	28.97
39	195	3.25	1.1	0.360	0.41	0.32	0.04	0.10	28.97
40	200	3.33	1.1	0.360	0.41	0.32	0.04	0.10	28.97
41	205	3.42	1.2	0.393	0.41	0.35	0.04	0.11	31.61
42	210	3.50	1.3	0.426	0.41	0.38	0.02	0.05	15.59
43	215	3.58	1.4	0.459	0.41	0.41	0.05	0.14	41.93
44	220	3.67	1.4	0.459	0.41	0.41	0.05	0.14	41.93
45	225	3.75	1.5	0.491	0.41	0.44	0.08	0.23	68.27
46	230	3.83	1.5	0.491	0.41	0.44	0.08	0.23	68.27
47	235	3.92	1.6	0.524	0.41	0.47	0.12	0.32	94.60
48	240	4.00	1.6	0.524	0.41	0.47	0.12	0.32	94.60
49	245	4.08	1.7	0.557	0.41	0.50	0.15	0.40	120.94
50	250	4.17	1.8	0.590	0.41	0.53	0.18	0.49	147.28
51	255	4.25	1.9	0.622	0.41	0.56	0.22	0.58	173.62
52	260	4.33	2.0	0.655	0.41	0.59	0.25	0.67	199.96
53	265	4.42	2.1	0.688	0.41	0.62	0.28	0.75	226.30
54	270	4.50	2.1	0.688	0.41	0.62	0.28	0.75	226.30
55	275	4.58	2.2	0.721	0.41	0.65	0.31	0.84	252.64
56	280	4.67	2.3	0.753	0.41	0.68	0.35	0.93	278.98

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 6 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEA
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.68
UNIT TIME-MINUTES	5
LAG TIME - MINUTES	1.53
UNIT TIME-PERCENT OF LAG	327.3
TOTAL ADJUSTED STORM RAIN-INCHES	2.73
CONSTANT LOSS RATE-in/hr	0.406
LOW LOSS RATE - PERCENT	90%

TOTAL PERCOLATION RATE (cfs) 0.00 cfs

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
57	285	4.75	2.4	0.786	0.41	0.71	0.38	1.02	305.32
58	290	4.83	2.4	0.786	0.41	0.71	0.38	1.02	305.32
59	295	4.92	2.5	0.819	0.41	0.74	0.41	1.11	331.66
60	300	5.00	2.6	0.852	0.41	0.77	0.45	1.19	358.00
61	305	5.08	3.1	1.016	0.41	0.91	0.61	1.63	489.69
62	310	5.17	3.6	1.179	0.41	1.06	0.77	2.07	621.39
63	315	5.25	3.9	1.278	0.41	1.15	0.87	2.33	700.40
64	320	5.33	4.2	1.376	0.41	1.24	0.97	2.60	779.42
65	325	5.42	4.7	1.540	0.41	1.39	1.13	3.04	911.11
66	330	5.50	5.6	1.835	0.41	1.65	1.43	3.83	1148.17
67	335	5.58	1.9	0.622	0.41	0.56	0.22	0.58	173.62
68	340	5.67	0.9	0.295	0.41	0.27	0.03	0.08	23.71
69	345	5.75	0.6	0.197	0.41	0.18	0.02	0.05	15.80
70	350	5.83	0.5	0.164	0.41	0.15	0.02	0.04	13.17
71	355	5.92	0.3	0.098	0.41	0.09	0.01	0.03	7.90
72	360	6.00	0.2	0.066	0.41	0.06	0.01	0.02	5.27

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.95
FLOOD VOLUME (acft)	0.21
FLOOD VOLUME (cuft)	9218.15
REQUIRED STORAGE (acft)	0.21
REQUIRED STORAGE (cuft)	9141.94
PEAK FLOW RATE (cfs)	3.83

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.680	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.4065
LAG TIME - MINUTES	1.53	MINIMUM LOSS RATE (for var. loss) - in/hr	0.203
UNIT TIME-PERCENT OF LAG	982.0	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	4.28	C	0.00376
		PERCOLATION RATE (cfs)	0.00

Unit Time Period	Time		Pattern Percent	Storm Rain in/hr	Loss Rate in/hr		Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
	Minutes	Hours	(Plate E-5.9)		Max	Low			
1	15	0.25	0.2	0.034	0.718	0.031	0.003	0.01	8.26
2	30	0.50	0.3	0.051	0.709	0.046	0.005	0.01	12.39
3	45	0.75	0.3	0.051	0.701	0.046	0.005	0.01	12.39
4	60	1.00	0.4	0.068	0.693	0.062	0.007	0.02	16.52
5	75	1.25	0.3	0.051	0.685	0.046	0.005	0.01	12.39
6	90	1.50	0.3	0.051	0.677	0.046	0.005	0.01	12.39
7	105	1.75	0.3	0.051	0.669	0.046	0.005	0.01	12.39
8	120	2.00	0.4	0.068	0.661	0.062	0.007	0.02	16.52
9	135	2.25	0.4	0.068	0.653	0.062	0.007	0.02	16.52
10	150	2.50	0.4	0.068	0.645	0.062	0.007	0.02	16.52
11	165	2.75	0.5	0.086	0.637	0.077	0.009	0.02	20.65
12	180	3.00	0.5	0.086	0.629	0.077	0.009	0.02	20.65
13	195	3.25	0.5	0.086	0.621	0.077	0.009	0.02	20.65
14	210	3.50	0.5	0.086	0.613	0.077	0.009	0.02	20.65
15	225	3.75	0.5	0.086	0.606	0.077	0.009	0.02	20.65
16	240	4.00	0.6	0.103	0.598	0.092	0.010	0.03	24.78
17	255	4.25	0.6	0.103	0.591	0.092	0.010	0.03	24.78
18	270	4.50	0.7	0.120	0.583	0.108	0.012	0.03	28.91
19	285	4.75	0.7	0.120	0.576	0.108	0.012	0.03	28.91
20	300	5.00	0.8	0.137	0.568	0.123	0.014	0.04	33.03
21	315	5.25	0.6	0.103	0.561	0.092	0.010	0.03	24.78
22	330	5.50	0.7	0.120	0.553	0.108	0.012	0.03	28.91
23	345	5.75	0.8	0.137	0.546	0.123	0.014	0.04	33.03
24	360	6.00	0.8	0.137	0.539	0.123	0.014	0.04	33.03
25	375	6.25	0.9	0.154	0.532	0.139	0.015	0.04	37.16
26	390	6.50	0.9	0.154	0.525	0.139	0.015	0.04	37.16
27	405	6.75	1.0	0.171	0.518	0.154	0.017	0.05	41.29
28	420	7.00	1.0	0.171	0.511	0.154	0.017	0.05	41.29
29	435	7.25	1.0	0.171	0.504	0.154	0.017	0.05	41.29
30	450	7.50	1.1	0.188	0.497	0.169	0.019	0.05	45.42
31	465	7.75	1.2	0.205	0.490	0.185	0.021	0.06	49.55
32	480	8.00	1.3	0.223	0.483	0.200	0.022	0.06	53.68
33	495	8.25	1.5	0.257	0.477	0.231	0.026	0.07	61.94
34	510	8.50	1.5	0.257	0.470	0.231	0.026	0.07	61.94
35	525	8.75	1.6	0.274	0.463	0.247	0.027	0.07	66.07
36	540	9.00	1.7	0.291	0.457	0.262	0.029	0.08	70.20
37	555	9.25	1.9	0.325	0.450	0.293	0.033	0.09	78.46
38	570	9.50	2.0	0.342	0.444	0.308	0.034	0.09	82.59
39	585	9.75	2.1	0.360	0.438	0.324	0.036	0.10	86.72
40	600	10.00	2.2	0.377	0.431	0.339	0.038	0.10	90.85
41	615	10.25	1.5	0.257	0.425	0.231	0.026	0.07	61.94
42	630	10.50	1.5	0.257	0.419	0.231	0.026	0.07	61.94
43	645	10.75	2.0	0.342	0.413	0.308	0.034	0.09	82.59
44	660	11.00	2.0	0.342	0.407	0.308	0.034	0.09	82.59
45	675	11.25	1.9	0.325	0.401	0.293	0.033	0.09	78.46
46	690	11.50	1.9	0.325	0.395	0.293	0.033	0.09	78.46
47	705	11.75	1.7	0.291	0.389	0.262	0.029	0.08	70.20
48	720	12.00	1.8	0.308	0.383	0.277	0.031	0.08	74.33
49	735	12.25	2.5	0.428	0.378	0.385	0.050	0.14	121.68
50	750	12.50	2.6	0.445	0.372	0.401	0.073	0.20	176.61
51	765	12.75	2.8	0.479	0.366	0.431	0.113	0.30	272.68
52	780	13.00	2.9	0.496	0.361	0.447	0.136	0.36	327.29
53	795	13.25	3.4	0.582	0.355	0.524	0.227	0.61	546.91
54	810	13.50	3.4	0.582	0.350	0.524	0.232	0.62	559.90
55	825	13.75	2.3	0.394	0.345	0.354	0.049	0.13	118.49
56	840	14.00	2.3	0.394	0.339	0.354	0.054	0.15	131.15
57	855	14.25	2.7	0.462	0.334	0.416	0.128	0.34	308.80
58	870	14.50	2.6	0.445	0.329	0.401	0.116	0.31	279.82
59	885	14.75	2.6	0.445	0.324	0.401	0.121	0.32	291.95
60	900	15.00	2.5	0.428	0.319	0.385	0.109	0.29	262.62
61	915	15.25	2.4	0.411	0.314	0.370	0.097	0.26	233.10
62	930	15.50	2.3	0.394	0.309	0.354	0.084	0.23	203.41
63	945	15.75	1.9	0.325	0.305	0.293	0.021	0.06	49.65
64	960	16.00	1.9	0.325	0.300	0.293	0.025	0.07	60.87
65	975	16.25	0.4	0.068	0.295	0.062	0.007	0.02	16.52
66	990	16.50	0.4	0.068	0.291	0.062	0.007	0.02	16.52
67	1005	16.75	0.3	0.051	0.287	0.046	0.005	0.01	12.39

RCFCD SYNTHETIC UNIT HYDROGRAPH METHOD
100 YEAR - 24 HOUR STORM EVENT

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
CONCENTRATION POINT: 1

BY: JAMES R. BAZ DATE: 2/2/2025

EFFECTIVE RAIN CALCULATION FORM

DRAINAGE AREA-ACRES	2.680	CONSTANT LOSS RATE-in/hr	n/a
UNIT TIME-MINUTES	15	VARIABLE LOSS RATE (AVG) in/hr	0.4065
LAG TIME - MINUTES	1.53	MINIMUM LOSS RATE (for var. loss) - in/hr	0.203
UNIT TIME-PERCENT OF LAG	982.0	LOW LOSS RATE - DECIMAL	0.90
TOTAL ADJUSTED STORM RAIN-INCHES	4.28	C	0.00376
		PERCOLATION RATE (cfs)	0.00

Unit Time Period	Time Minutes	Time Hours	Pattern Percent (Plate E-5.9)	Storm Rain in/hr	Loss Rate in/hr Max	Loss Rate in/hr Low	Effective Rain in/hr	Flood Hydrograph Flow cfs	Required Storage cf
68	1020	17.00	0.3	0.051	0.282	0.046	0.005	0.01	12.39
69	1035	17.25	0.5	0.086	0.278	0.077	0.009	0.02	20.65
70	1050	17.50	0.5	0.086	0.274	0.077	0.009	0.02	20.65
71	1065	17.75	0.5	0.086	0.270	0.077	0.009	0.02	20.65
72	1080	18.00	0.4	0.068	0.266	0.062	0.007	0.02	16.52
73	1095	18.25	0.4	0.068	0.262	0.062	0.007	0.02	16.52
74	1110	18.50	0.4	0.068	0.258	0.062	0.007	0.02	16.52
75	1125	18.75	0.3	0.051	0.254	0.046	0.005	0.01	12.39
76	1140	19.00	0.2	0.034	0.251	0.031	0.003	0.01	8.26
77	1155	19.25	0.3	0.051	0.247	0.046	0.005	0.01	12.39
78	1170	19.50	0.4	0.068	0.244	0.062	0.007	0.02	16.52
79	1185	19.75	0.3	0.051	0.240	0.046	0.005	0.01	12.39
80	1200	20.00	0.2	0.034	0.237	0.031	0.003	0.01	8.26
81	1215	20.25	0.3	0.051	0.234	0.046	0.005	0.01	12.39
82	1230	20.50	0.3	0.051	0.231	0.046	0.005	0.01	12.39
83	1245	20.75	0.3	0.051	0.228	0.046	0.005	0.01	12.39
84	1260	21.00	0.2	0.034	0.225	0.031	0.003	0.01	8.26
85	1275	21.25	0.3	0.051	0.223	0.046	0.005	0.01	12.39
86	1290	21.50	0.2	0.034	0.220	0.031	0.003	0.01	8.26
87	1305	21.75	0.3	0.051	0.218	0.046	0.005	0.01	12.39
88	1320	22.00	0.2	0.034	0.215	0.031	0.003	0.01	8.26
89	1335	22.25	0.3	0.051	0.213	0.046	0.005	0.01	12.39
90	1350	22.50	0.2	0.034	0.211	0.031	0.003	0.01	8.26
91	1365	22.75	0.2	0.034	0.209	0.031	0.003	0.01	8.26
92	1380	23.00	0.2	0.034	0.208	0.031	0.003	0.01	8.26
93	1395	23.25	0.2	0.034	0.206	0.031	0.003	0.01	8.26
94	1410	23.50	0.2	0.034	0.205	0.031	0.003	0.01	8.26
95	1425	23.75	0.2	0.034	0.204	0.031	0.003	0.01	8.26
96	1440	24.00	0.2	0.034	0.203	0.031	0.003	0.01	8.26

EFFECTIVE RAIN & FLOOD VOLUMES SUMMARY

EFFECTIVE RAIN (in)	0.66
FLOOD VOLUME (acft)	0.15
FLOOD VOLUME (cuft)	6430.28
REQUIRED STORAGE (acft)	0.15
REQUIRED STORAGE (cuft)	6377.11
PEAK FLOW (cfs)	0.62

PROJECT: ARMTEC DEFENSE TECHNOLOGY - 100 YEAR
JOB # 0
1

BASIN CHARACTERISTICS

CONTOUR	DEPTH		AREA		VOLUME		
	INCR (ft)	TOTAL (ft)	INCR (sf)	TOTAL (sf)	INCR (cuft)	TOTAL (cuft)	(acre-ft)
404	0	0		50322	0	0	0.00
405	1	1	4267	54589	52456	52456	1.20
406	1	2	4379	58968	56779	109234	2.51
407	1	3	4673	63641	61305	170539	3.92
407.5	0.5	3.5	2109	65750	32348	202886	4.66

PERCOLATION CALCULATIONS
PERCOLATION RATE 0 in/hr 0.00 cfs

MAXWELL IV DRYWELLS
NUMBER USED 0
RATE/DRYWELL 0 cfs
TOTAL DISSIPATED 0 cfs

TOTAL PERCOLATION RATE 0.00 cfs

1

JOB # 0

100 YEAR - 3 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.09	26	26	0	26	404.00	26	0.00
2	10	0.09	26	51	0	51	404.00	51	0.00
3	15	0.07	22	73	0	73	404.00	73	0.00
4	20	0.10	30	102	0	102	404.00	102	0.00
5	25	0.10	30	132	0	132	404.00	132	0.00
6	30	0.09	27	159	0	159	404.00	159	0.00
7	35	0.10	30	189	0	189	404.00	189	0.00
8	40	0.09	27	216	0	216	404.00	216	0.00
9	45	0.09	27	244	0	244	404.00	244	0.01
10	50	0.10	30	273	0	273	404.01	273	0.01
11	55	0.10	31	305	0	305	404.01	305	0.01
12	60	0.09	27	332	0	332	404.01	332	0.01
13	65	0.35	106	438	0	438	404.01	438	0.01
14	70	0.35	106	545	0	545	404.01	545	0.01
15	75	0.35	106	651	0	651	404.01	651	0.01
16	80	0.22	67	718	0	718	404.01	718	0.02
17	85	0.62	185	902	0	902	404.02	902	0.02
18	90	0.68	205	1,107	0	1,107	404.02	1,107	0.03
19	95	0.49	146	1,253	0	1,253	404.02	1,253	0.03
20	100	0.68	205	1,457	0	1,457	404.03	1,457	0.03
21	105	1.08	323	1,780	0	1,780	404.03	1,780	0.04
22	110	0.94	283	2,063	0	2,063	404.04	2,063	0.05
23	115	0.81	244	2,307	0	2,307	404.04	2,307	0.05
24	120	0.88	264	2,571	0	2,571	404.05	2,571	0.06
25	125	0.94	283	2,854	0	2,854	404.05	2,854	0.07
26	130	1.67	500	3,354	0	3,354	404.06	3,354	0.08
27	135	2.19	657	4,011	0	4,011	404.08	4,011	0.09
28	140	1.21	362	4,373	0	4,373	404.08	4,373	0.10
29	145	3.37	1,012	5,385	0	5,385	404.10	5,385	0.12
30	150	3.70	1,110	6,495	0	6,495	404.12	6,495	0.15
31	155	4.29	1,287	7,782	0	7,782	404.15	7,782	0.18
32	160	2.78	834	8,616	0	8,616	404.16	8,616	0.20
33	165	0.22	67	8,683	0	8,683	404.17	8,683	0.20
34	170	0.09	27	8,711	0	8,711	404.17	8,711	0.20
35	175	0.09	27	8,738	0	8,738	404.17	8,738	0.20
36	180	0.04	12	8,750	0	8,750	404.17	8,750	0.20

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JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	5	0.04	13	13	0	13	404.00	13	0.00
2	10	0.05	16	29	0	29	404.00	29	0.00
3	15	0.05	16	45	0	45	404.00	45	0.00
4	20	0.05	16	61	0	61	404.00	61	0.00
5	25	0.05	16	76	0	76	404.00	76	0.00
6	30	0.06	18	95	0	95	404.00	95	0.00
7	35	0.06	18	113	0	113	404.00	113	0.00
8	40	0.06	18	132	0	132	404.00	132	0.00
9	45	0.06	18	150	0	150	404.00	150	0.00
10	50	0.06	18	169	0	169	404.00	169	0.00
11	55	0.06	18	187	0	187	404.00	187	0.00
12	60	0.07	21	208	0	208	404.00	208	0.00
13	65	0.07	21	229	0	229	404.00	229	0.01
14	70	0.07	21	250	0	250	404.00	250	0.01
15	75	0.07	21	271	0	271	404.01	271	0.01
16	80	0.07	21	292	0	292	404.01	292	0.01
17	85	0.07	21	313	0	313	404.01	313	0.01
18	90	0.07	21	335	0	335	404.01	335	0.01
19	95	0.07	21	356	0	356	404.01	356	0.01
20	100	0.07	21	377	0	377	404.01	377	0.01
21	105	0.07	21	398	0	398	404.01	398	0.01
22	110	0.07	21	419	0	419	404.01	419	0.01
23	115	0.07	21	440	0	440	404.01	440	0.01
24	120	0.08	24	464	0	464	404.01	464	0.01
25	125	0.07	21	485	0	485	404.01	485	0.01
26	130	0.08	24	508	0	508	404.01	508	0.01
27	135	0.08	24	532	0	532	404.01	532	0.01
28	140	0.08	24	556	0	556	404.01	556	0.01
29	145	0.08	24	579	0	579	404.01	579	0.01
30	150	0.08	24	603	0	603	404.01	603	0.01
31	155	0.08	24	627	0	627	404.01	627	0.01
32	160	0.08	24	651	0	651	404.01	651	0.01
33	165	0.09	26	677	0	677	404.01	677	0.02
34	170	0.09	26	703	0	703	404.01	703	0.02
35	175	0.09	26	730	0	730	404.01	730	0.02
36	180	0.09	26	756	0	756	404.01	756	0.02
37	185	0.09	26	782	0	782	404.01	782	0.02
38	190	0.10	29	811	0	811	404.02	811	0.02
39	195	0.10	29	840	0	840	404.02	840	0.02
40	200	0.10	29	869	0	869	404.02	869	0.02
41	205	0.11	32	901	0	901	404.02	901	0.02
42	210	0.05	16	916	0	916	404.02	916	0.02
43	215	0.14	42	958	0	958	404.02	958	0.02
44	220	0.14	42	1,000	0	1,000	404.02	1,000	0.02
45	225	0.23	68	1,069	0	1,069	404.02	1,069	0.02
46	230	0.23	68	1,137	0	1,137	404.02	1,137	0.03
47	235	0.32	95	1,231	0	1,231	404.02	1,231	0.03
48	240	0.32	95	1,326	0	1,326	404.03	1,326	0.03
49	245	0.40	121	1,447	0	1,447	404.03	1,447	0.03
50	250	0.49	147	1,594	0	1,594	404.03	1,594	0.04
51	255	0.58	174	1,768	0	1,768	404.03	1,768	0.04
52	260	0.67	200	1,968	0	1,968	404.04	1,968	0.05
53	265	0.75	226	2,194	0	2,194	404.04	2,194	0.05
54	270	0.75	226	2,420	0	2,420	404.05	2,420	0.06
55	275	0.84	253	2,673	0	2,673	404.05	2,673	0.06

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JOB # 0

100 YEAR - 6 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
56	280	0.93	279	2,952	0	2,952	404.06	2,952	0.07
57	285	1.02	305	3,257	0	3,257	404.06	3,257	0.07
58	290	1.02	305	3,563	0	3,563	404.07	3,563	0.08
59	295	1.11	332	3,894	0	3,894	404.07	3,894	0.09
60	300	1.19	358	4,252	0	4,252	404.08	4,252	0.10
61	305	1.63	490	4,742	0	4,742	404.09	4,742	0.11
62	310	2.07	621	5,363	0	5,363	404.10	5,363	0.12
63	315	2.33	700	6,064	0	6,064	404.12	6,064	0.14
64	320	2.60	779	6,843	0	6,843	404.13	6,843	0.16
65	325	3.04	911	7,754	0	7,754	404.15	7,754	0.18
66	330	3.83	1,148	8,902	0	8,902	404.17	8,902	0.20
67	335	0.58	174	9,076	0	9,076	404.17	9,076	0.21
68	340	0.08	24	9,100	0	9,100	404.17	9,100	0.21
69	345	0.05	16	9,116	0	9,116	404.17	9,116	0.21
70	350	0.04	13	9,129	0	9,129	404.17	9,129	0.21
71	355	0.03	8	9,137	0	9,137	404.17	9,137	0.21
72	360	0.02	5	9,142	0	9,142	404.17	9,142	0.21

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JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
1	15	0.01	8	8	0	8	404.00	8	0.00
2	30	0.01	12	21	0	21	404.00	21	0.00
3	45	0.01	12	33	0	33	404.00	33	0.00
4	60	0.02	17	50	0	50	404.00	50	0.00
5	75	0.01	12	62	0	62	404.00	62	0.00
6	90	0.01	12	74	0	74	404.00	74	0.00
7	105	0.01	12	87	0	87	404.00	87	0.00
8	120	0.02	17	103	0	103	404.00	103	0.00
9	135	0.02	17	120	0	120	404.00	120	0.00
10	150	0.02	17	136	0	136	404.00	136	0.00
11	165	0.02	21	157	0	157	404.00	157	0.00
12	180	0.02	21	178	0	178	404.00	178	0.00
13	195	0.02	21	198	0	198	404.00	198	0.00
14	210	0.02	21	219	0	219	404.00	219	0.01
15	225	0.02	21	240	0	240	404.00	240	0.01
16	240	0.03	25	264	0	264	404.01	264	0.01
17	255	0.03	25	289	0	289	404.01	289	0.01
18	270	0.03	29	318	0	318	404.01	318	0.01
19	285	0.03	29	347	0	347	404.01	347	0.01
20	300	0.04	33	380	0	380	404.01	380	0.01
21	315	0.03	25	405	0	405	404.01	405	0.01
22	330	0.03	29	434	0	434	404.01	434	0.01
23	345	0.04	33	467	0	467	404.01	467	0.01
24	360	0.04	33	500	0	500	404.01	500	0.01
25	375	0.04	37	537	0	537	404.01	537	0.01
26	390	0.04	37	574	0	574	404.01	574	0.01
27	405	0.05	41	615	0	615	404.01	615	0.01
28	420	0.05	41	657	0	657	404.01	657	0.02
29	435	0.05	41	698	0	698	404.01	698	0.02
30	450	0.05	45	743	0	743	404.01	743	0.02
31	465	0.06	50	793	0	793	404.02	793	0.02
32	480	0.06	54	847	0	847	404.02	847	0.02
33	495	0.07	62	908	0	908	404.02	908	0.02
34	510	0.07	62	970	0	970	404.02	970	0.02
35	525	0.07	66	1,036	0	1,036	404.02	1,036	0.02
36	540	0.08	70	1,107	0	1,107	404.02	1,107	0.03
37	555	0.09	78	1,185	0	1,185	404.02	1,185	0.03
38	570	0.09	83	1,268	0	1,268	404.02	1,268	0.03
39	585	0.10	87	1,354	0	1,354	404.03	1,354	0.03
40	600	0.10	91	1,445	0	1,445	404.03	1,445	0.03
41	615	0.07	62	1,507	0	1,507	404.03	1,507	0.03
42	630	0.07	62	1,569	0	1,569	404.03	1,569	0.04
43	645	0.09	83	1,652	0	1,652	404.03	1,652	0.04
44	660	0.09	83	1,734	0	1,734	404.03	1,734	0.04
45	675	0.09	78	1,813	0	1,813	404.03	1,813	0.04
46	690	0.09	78	1,891	0	1,891	404.04	1,891	0.04
47	705	0.08	70	1,961	0	1,961	404.04	1,961	0.05
48	720	0.08	74	2,036	0	2,036	404.04	2,036	0.05
49	735	0.14	122	2,157	0	2,157	404.04	2,157	0.05
50	750	0.20	177	2,334	0	2,334	404.04	2,334	0.05
51	765	0.30	273	2,607	0	2,607	404.05	2,607	0.06
52	780	0.36	327	2,934	0	2,934	404.06	2,934	0.07
53	795	0.61	547	3,481	0	3,481	404.07	3,481	0.08
54	810	0.62	560	4,041	0	4,041	404.08	4,041	0.09
55	825	0.13	118	4,159	0	4,159	404.08	4,159	0.10
56	840	0.15	131	4,290	0	4,290	404.08	4,290	0.10
57	855	0.34	309	4,599	0	4,599	404.09	4,599	0.11
58	870	0.31	280	4,879	0	4,879	404.09	4,879	0.11

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JOB # 0

100 YEAR - 24 HOUR STORM EVENT

TIME UNIT PERIOD	(min)	FLOW IN (cfs)	VOLUME IN (cuft)	TOTAL IN BASIN (cuft)	PERC OUT (cuft)	TOTAL IN BASIN (cuft)	BASIN DEPTH (ft)	BALANCE IN BASIN (cuft)	(acre-ft)
59	885	0.32	292	5,171	0	5,171	404.10	5,171	0.12
60	900	0.29	263	5,434	0	5,434	404.10	5,434	0.12
61	915	0.26	233	5,667	0	5,667	404.11	5,667	0.13
62	930	0.23	203	5,870	0	5,870	404.11	5,870	0.13
63	945	0.06	50	5,920	0	5,920	404.11	5,920	0.14
64	960	0.07	61	5,981	0	5,981	404.11	5,981	0.14
65	975	0.02	17	5,997	0	5,997	404.11	5,997	0.14
66	990	0.02	17	6,014	0	6,014	404.11	6,014	0.14
67	1005	0.01	12	6,026	0	6,026	404.11	6,026	0.14
68	1020	0.01	12	6,039	0	6,039	404.12	6,039	0.14
69	1035	0.02	21	6,059	0	6,059	404.12	6,059	0.14
70	1050	0.02	21	6,080	0	6,080	404.12	6,080	0.14
71	1065	0.02	21	6,100	0	6,100	404.12	6,100	0.14
72	1080	0.02	17	6,117	0	6,117	404.12	6,117	0.14
73	1095	0.02	17	6,133	0	6,133	404.12	6,133	0.14
74	1110	0.02	17	6,150	0	6,150	404.12	6,150	0.14
75	1125	0.01	12	6,162	0	6,162	404.12	6,162	0.14
76	1140	0.01	8	6,171	0	6,171	404.12	6,171	0.14
77	1155	0.01	12	6,183	0	6,183	404.12	6,183	0.14
78	1170	0.02	17	6,200	0	6,200	404.12	6,200	0.14
79	1185	0.01	12	6,212	0	6,212	404.12	6,212	0.14
80	1200	0.01	8	6,220	0	6,220	404.12	6,220	0.14
81	1215	0.01	12	6,233	0	6,233	404.12	6,233	0.14
82	1230	0.01	12	6,245	0	6,245	404.12	6,245	0.14
83	1245	0.01	12	6,257	0	6,257	404.12	6,257	0.14
84	1260	0.01	8	6,266	0	6,266	404.12	6,266	0.14
85	1275	0.01	12	6,278	0	6,278	404.12	6,278	0.14
86	1290	0.01	8	6,286	0	6,286	404.12	6,286	0.14
87	1305	0.01	12	6,299	0	6,299	404.12	6,299	0.14
88	1320	0.01	8	6,307	0	6,307	404.12	6,307	0.14
89	1335	0.01	12	6,319	0	6,319	404.12	6,319	0.15
90	1350	0.01	8	6,328	0	6,328	404.12	6,328	0.15
91	1365	0.01	8	6,336	0	6,336	404.12	6,336	0.15
92	1380	0.01	8	6,344	0	6,344	404.12	6,344	0.15
93	1395	0.01	8	6,352	0	6,352	404.12	6,352	0.15
94	1410	0.01	8	6,361	0	6,361	404.12	6,361	0.15
95	1425	0.01	8	6,369	0	6,369	404.12	6,369	0.15
96	1440	0.01	8	6,377	0	6,377	404.12	6,377	0.15

Appendix G
Noise Impact Analysis

Armtec Master Plan

NOISE IMPACT ANALYSIS

CITY OF COACHELLA

PREPARED BY:

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JULY 26, 2024

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LIST OF ABBREVIATED TERMS

(1)	Reference
ANSI	American National Standards Institute
CEQA	California Environmental Quality Act
CNEL	Community Noise Equivalent Level
dBA	A-weighted decibels
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FICON	Federal Interagency Committee on Noise
FTA	Federal Transit Administration
INCE	Institute of Noise Control Engineering
Leq	Equivalent continuous (average) sound level
Lmax	Maximum level measured over the time interval
Lmin	Minimum level measured over the time interval
MCL	Maximum contaminant levels
NIOSH	National Institute for Occupational Safety and Health
PPV	Peak particle velocity
Project	Armtec Master Plan
RCNM	Roadway Construction Noise Model
VdB	Vibration Decibels

EXECUTIVE SUMMARY

This noise study has been prepared to determine the noise exposure and the necessary noise mitigation measures for the proposed Armtec Master Plan Project. The Project is located on the southwest corner of Tyler Street and Avenue 53 in the City of Coachella. The Project is proposed to consist of the expansion of an existing defense technologies facility which currently manufactures combustible ordinance. The purpose of this noise analysis is to ensure that the proposed operational and construction activities within the Project study area are compatible with the existing and future noise environment. The potential noise impacts on the sensitive land uses near the A summary of findings for CEQA significance criteria is shown in Table ES-1.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Off-Site Traffic Noise	7	*Less Than Significant*	-
Aircraft Noise	9	*Less Than Significant*	-
Operational Noise	10	*Less Than Significant*	-
Construction Noise	11	*Less Than Significant*	-
Construction Vibration		*Less Than Significant*	-

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1 INTRODUCTION

This noise analysis has been completed to determine the potential noise impacts related to the development of the proposed Armtec Master Plan ("Project"). This noise study briefly describes the proposed Project, provides information regarding noise fundamentals, describes the local regulatory setting, and evaluates the potential Project-related long-term operational and temporary noise impacts associated with the construction of the.

1.1 SITE LOCATION

The Project is located on the southwest corner of Tyler Street and Avenue 53 in the City of Coachella, as shown on Exhibit 1-A. To the east and north are residential uses and to the south and west are agricultural fields. The closest highway is Highway 111 located .28 miles to the east and the closest airport is the Jacqueline Cochran Regional Airport, located 1.3 miles to the south.

1.2 PROJECT DESCRIPTION

The Project is proposed to consist of the expansion of an existing defense technologies facility which currently manufactures combustible ordinance and is split by the road Avenue 53. The Project includes the construction and operation of new warehouses totaling 30,000 square feet (SF), new production facilities totaling 18,000 SF, expanding existing warehouses by a total of 6,000 SF as well as two new storage facilities totaling 1,800 SF and a new truck staging area. The site plan is shown on Exhibit 1-B.

EXHIBIT 1-A: LOCATION MAP

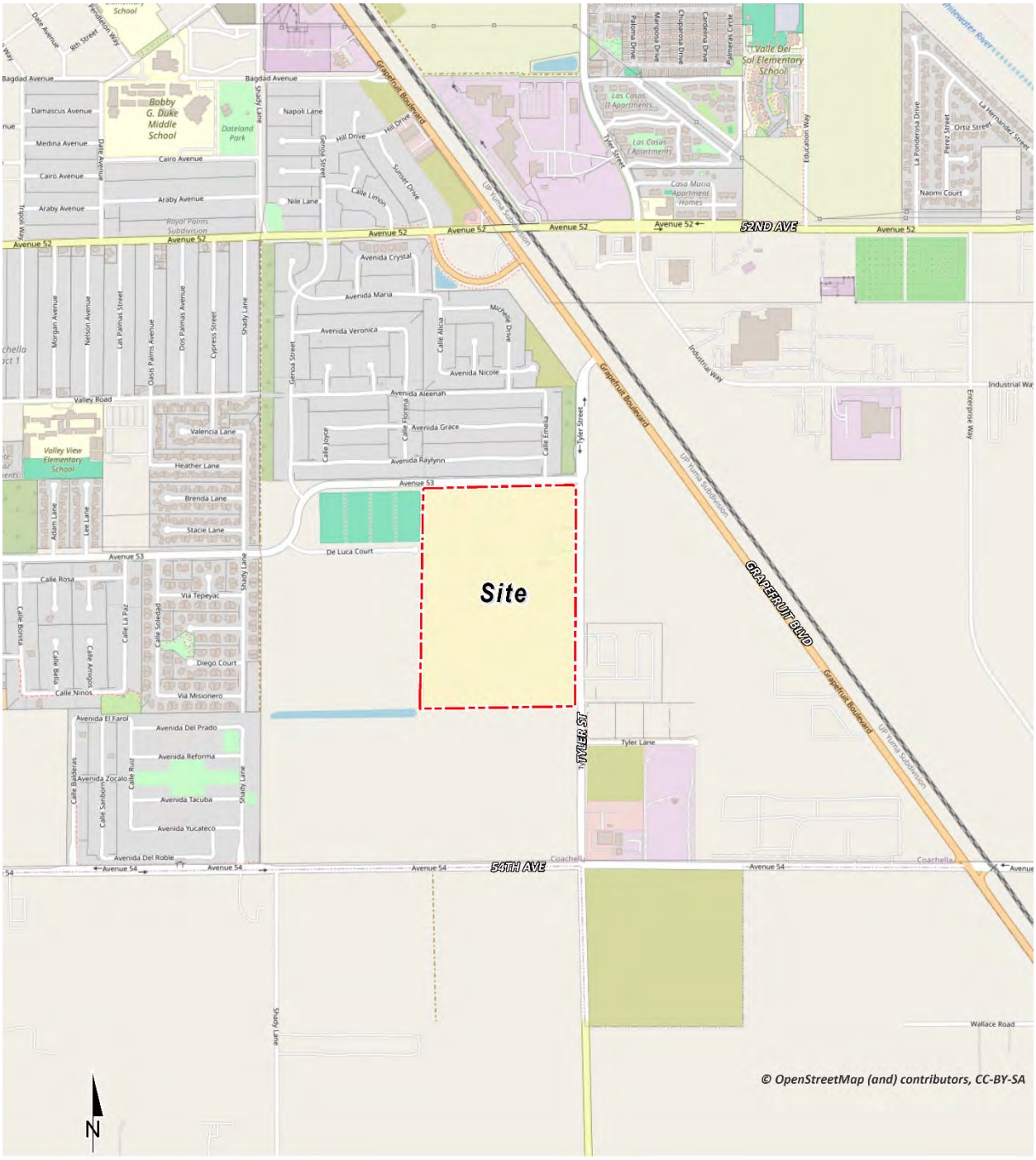


EXHIBIT 1-B: SITE PLAN



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2 FUNDAMENTALS

Noise has been simply defined as "unwanted sound." Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm, or when it has adverse effects on health. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). A-weighted decibels (dBA) approximate the subjective response of the human ear to broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear. Exhibit 2-A presents a summary of the typical noise levels and their subjective loudness and effects that are described in more detail below.

EXHIBIT 2-A: TYPICAL NOISE LEVELS

COMMON OUTDOOR ACTIVITIES	COMMON INDOOR ACTIVITIES	A - WEIGHTED SOUND LEVEL dBA	SUBJECTIVE LOUDNESS	EFFECTS OF NOISE
THRESHOLD OF PAIN		140	INTOLERABLE OR DEAFENING	HEARING LOSS
NEAR JET ENGINE		130		
		120		
JET FLY-OVER AT 300m (1000 ft)	ROCK BAND	110		
LOUD AUTO HORN		100	VERY NOISY	
GAS LAWN MOWER AT 1m (3 ft)		90		
DIESEL TRUCK AT 15m (50 ft), at 80 km/hr (50 mph)	FOOD BLENDER AT 1m (3 ft)	80		SPEECH INTERFERENCE
NOISY URBAN AREA, DAYTIME	VACUUM CLEANER AT 3m (10 ft)	70	LOUD	
HEAVY TRAFFIC AT 90m (300 ft)	NORMAL SPEECH AT 1m (3 ft)	60		
QUIET URBAN DAYTIME	LARGE BUSINESS OFFICE	50	MODERATE	SLEEP DISTURBANCE
QUIET URBAN NIGHTTIME	THEATER, LARGE CONFERENCE ROOM (BACKGROUND)	40		
QUIET SUBURBAN NIGHTTIME	LIBRARY	30	FAINT	NO EFFECT
QUIET RURAL NIGHTTIME	BEDROOM AT NIGHT, CONCERT HALL (BACKGROUND)	20		
	BROADCAST/RECORDING STUDIO	10	VERY FAINT	
LOWEST THRESHOLD OF HUMAN HEARING	LOWEST THRESHOLD OF HUMAN HEARING	0		

Source: Environmental Protection Agency Office of Noise Abatement and Control, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (EPA/ONAC 550/9-74-004) March 1974.

2.1 RANGE OF NOISE

Since the range of intensities that the human ear can detect is so large, the scale frequently used to measure intensity is a scale based on multiples of 10, the logarithmic scale. The scale for measuring intensity is the decibel scale. Each interval of 10 decibels indicates a sound energy ten times greater than before, which is perceived by the human ear as being roughly twice as loud. (1) The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at three feet is at roughly 60 dBA, while loud jet engine noises equate to 110 dBA

at approximately 100 feet, which can cause serious discomfort. (2) Another important aspect of noise is the duration of the sound and the way it is described and distributed in time.

2.2 NOISE DESCRIPTORS

Environmental noise descriptors are generally based on averages, rather than instantaneous, noise levels. The most commonly used figure is the equivalent level (Leq). Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period and is commonly used to describe the "average" noise levels within the environment.

Peak hour or average noise levels, while useful, do not completely describe a given noise environment. Noise levels lower than peak hour may be disturbing if they occur during times when quiet is most desirable, namely evening and nighttime (sleeping) hours. To account for this, the Community Noise Equivalent Level (CNEL), representing a composite 24-hour noise level is utilized. The CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time of day corrections require the addition of 5 decibels to dBA Leq sound levels in the evening from 7:00 p.m. to 10:00 p.m., and the addition of 10 decibels to dBA Leq sound levels at night between 10:00 p.m. and 7:00 a.m. These additions are made to account for the noise sensitive time periods during the evening and night hours when sound appears louder. CNEL does not represent the actual sound level heard at any particular time, but rather represents the total sound exposure. The City of Coachella relies on the 24-hour CNEL level to assess land use compatibility with transportation-related noise sources.

2.3 SOUND PROPAGATION

When sound propagates over a distance, it changes in level and frequency content. The manner in which noise reduces with distance depends on the following factors.

2.3.1 GEOMETRIC SPREADING

Sound from a localized source (i.e., a stationary point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source.

2.3.2 GROUND ABSORPTION

The propagation path of noise from a highway to a receptor is usually very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the attenuation associated with geometric spreading. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually

sufficiently accurate for distances of less than 200 feet. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receptor, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receptor such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dB per doubling of distance is normally assumed. When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance from a line source.

2.3.3 ATMOSPHERIC EFFECTS

Receptors located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects.

2.3.4 SHIELDING

A large object or barrier in the path between a noise source and a receptor can substantially attenuate noise levels at the receptor. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Shielding by trees and other such vegetation typically only has an “out of sight, out of mind” effect. That is, the perception of noise impact tends to decrease when vegetation blocks the line-of-sight to nearby residents. However, for vegetation to provide a substantial, or even noticeable, noise reduction, the vegetation area must be at least 15 feet in height, 100 feet wide and dense enough to completely obstruct the line-of-sight between the source and the receiver. This size of vegetation may provide up to 5 dBA of noise reduction. The FHWA does not consider the planting of vegetation to be a noise abatement measure.

2.4 NOISE CONTROL

Noise control is the process of obtaining an acceptable noise environment for a particular observation point or receptor by controlling the noise source, transmission path, receptor, or all three. This concept is known as the source-path-receptor concept. In general, noise control measures can be applied to any and all of these three elements.

2.5 NOISE BARRIER ATTENUATION

Effective noise barriers can reduce noise levels by 10 to 15 dBA, cutting the loudness of traffic noise in half. A noise barrier is most effective when placed close to the noise source or receptor. Noise barriers, however, do have limitations. For a noise barrier to work, it must be high enough and long enough to block the path of the noise source. (3)

2.6 LAND USE COMPATIBILITY WITH NOISE

Some land uses are more tolerant of noise than others. For example, schools, hospitals, churches and residences are more sensitive to noise intrusion than are commercial or industrial developments and related activities. As ambient noise levels affect the perceived amenity or livability of a development, so too can the mismanagement of noise impacts impair the economic health and growth potential of a community by reducing the area's desirability as a place to live, shop and work. For this reason, land use compatibility with the noise environment is an important consideration in the planning and design process.

The FHWA encourages State and Local government to regulate land development in such a way that noise-sensitive land uses are either prohibited from being located adjacent to a highway, or that the developments are planned, designed, and constructed in such a way that noise impacts are minimized. (4)

2.7 COMMUNITY RESPONSE TO NOISE

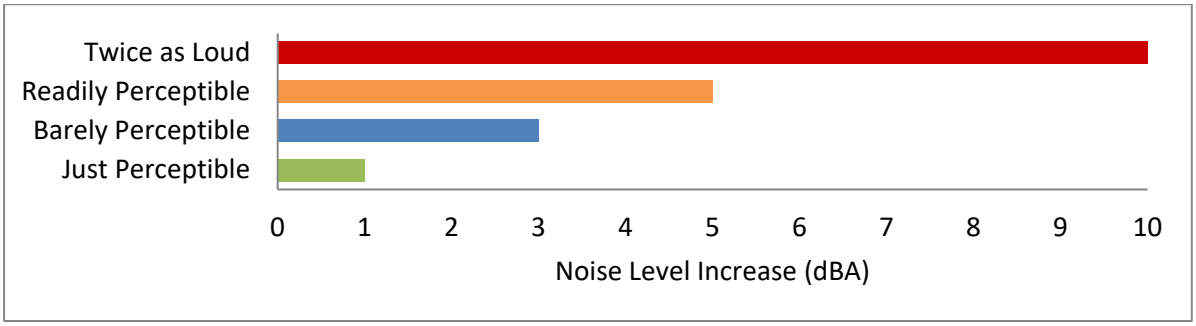
Community responses to noise may range from registering a complaint by telephone or letter, to initiating court action, depending upon each individual's susceptibility to noise and personal attitudes about noise. Several factors are related to the level of community annoyance including:

- Fear associated with noise-producing activities;
- Socio-economic status and educational level;
- Perception that those affected are being unfairly treated;
- Attitudes regarding the usefulness of the noise-producing activity;
- Belief that the noise source can be controlled.

Approximately ten percent of the population has a very low tolerance for noise and will object to any noise not of their making. Consequently, even in the quietest environment, some complaints will occur. Another 25 percent of the population will not complain even in very severe noise environments. Thus, a variety of reactions can be expected from people exposed to any given noise environment. (5) Surveys have shown that about ten percent of the people exposed to traffic noise of 60 dBA will report being highly annoyed with the noise, and each increase of one dBA is associated with approximately two percent more people being highly annoyed. When traffic noise exceeds 60 dBA or aircraft noise exceeds 55 dBA, people may begin to complain. (5)

Despite this variability in behavior on an individual level, the population can be expected to exhibit the following responses to changes in noise levels as shown on Exhibit 2-B. An increase or decrease of 1 dBA cannot be perceived except in carefully controlled laboratory experiments, a change of 3 dBA is considered *barely perceptible*, and changes of 5 dBA are considered *readily perceptible*. (3)

EXHIBIT 2-B: NOISE LEVEL INCREASE PERCEPTION



2.8 EXPOSURE TO HIGH NOISE LEVELS

The Occupational Safety and Health Administration (OSHA) sets legal limits on noise exposure in the workplace. The permissible exposure limit (PEL) for a worker over an eight-hour day is 90 dBA. The OSHA standard uses a 5 dBA exchange rate. This means that when the noise level is increased by 5 dBA, the amount of time a person can be exposed to a certain noise level to receive the same dose is cut in half. The National Institute for Occupational Safety and Health (NIOSH) has recommended that all worker exposures to noise should be controlled below a level equivalent to 85 dBA for eight hours to minimize occupational noise induced hearing loss. NIOSH also recommends a 3 dBA exchange rate so that every increase by 3 dBA doubles the amount of the noise and halves the recommended amount of exposure time. (6)

OSHA has implemented requirements to protect all workers in general industry (e.g., the manufacturing and the service sectors) for employers to implement a Hearing Conservation Program where workers are exposed to a time weighted average noise level of 85 dBA or higher over an eight-hour work shift. Hearing Conservation Programs require employers to measure noise levels, provide free annual hearing exams and free hearing protection, provide training, and conduct evaluations of the adequacy of the hearing protectors in use unless changes to tools, equipment, and schedules are made so that they are less noisy and worker exposure to noise is less than the 85 dBA. This noise study does not evaluate the noise exposure of workers within a project or construction site based on CEQA requirements, and instead, evaluates Project-related operational and construction noise levels at the nearby sensitive receiver locations in the Project study area. Further, periodic exposure to high noise levels in short duration, such as Project construction, is typically considered an annoyance and not impactful to human health. It would take several years of exposure to high noise levels to result in hearing impairment. (7)

2.9 VIBRATION

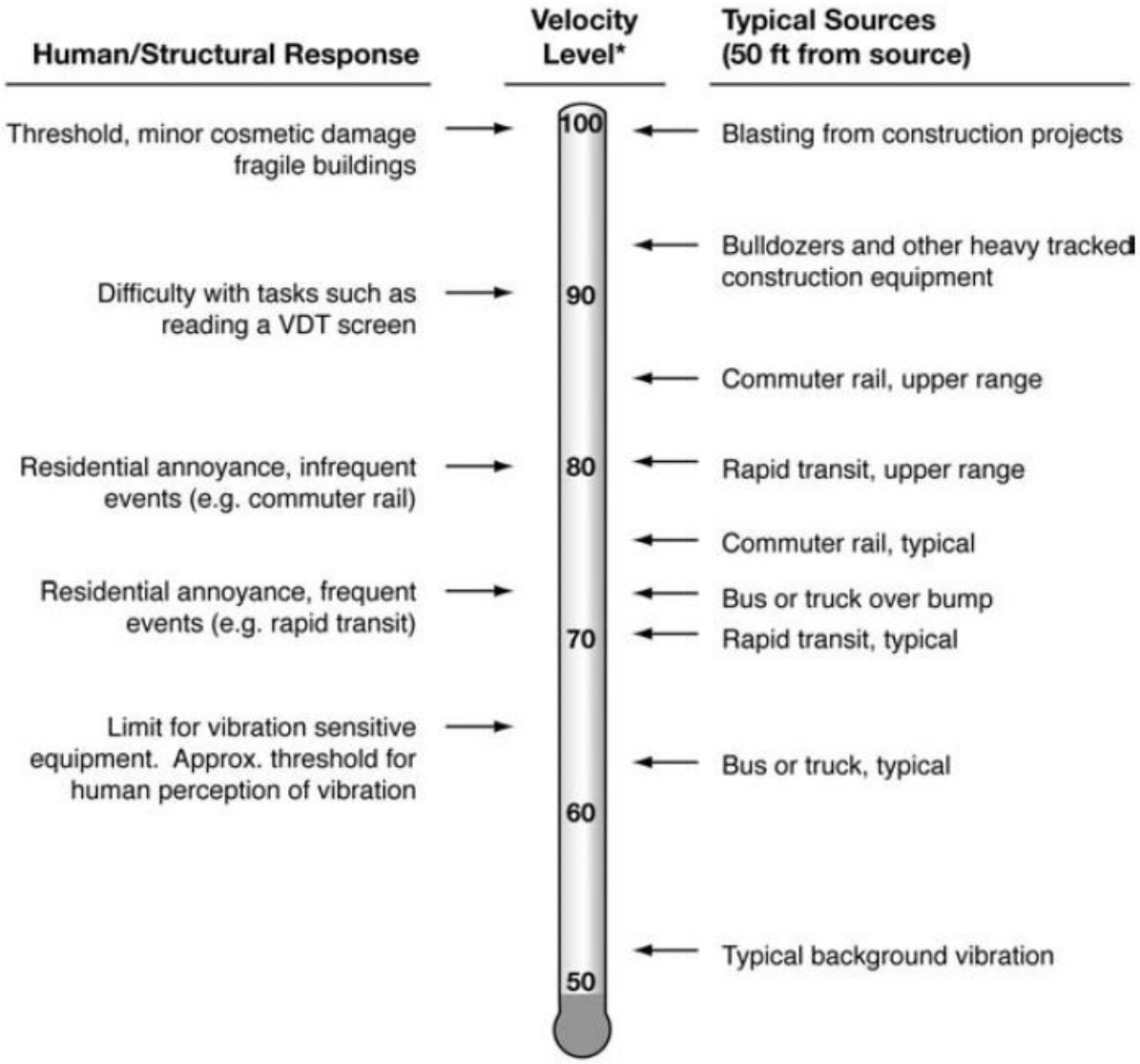
Per the Federal Transit Administration (FTA) *Transit Noise Impact and Vibration Assessment* (8), vibration is the periodic oscillation of a medium or object. The rumbling sound caused by the vibration of room surfaces is called structure-borne noise. Sources of ground-borne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, such as factory machinery, or transient, such as explosions.

As is the case with airborne sound, ground-borne vibrations may be described by amplitude and frequency.

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings, but is not always suitable for evaluating human response (annoyance) because it takes some time for the human body to respond to vibration signals. Instead, the human body responds to average vibration amplitude often described as the root mean square (RMS). The RMS amplitude is defined as the average of the squared amplitude of the signal, and is most frequently used to describe the effect of vibration on the human body. Decibel notation (VdB) is commonly used to measure RMS. Decibel notation (VdB) serves to reduce the range of numbers used to describe human response to vibration. Typically, ground-borne vibration generated by man-made activities attenuates rapidly with distance from the source of the vibration. Sensitive receivers for vibration include structures (especially older masonry structures), people (especially residents, the elderly, and sick), and vibration-sensitive equipment.

The background vibration-velocity level in residential areas is generally 50 VdB. Ground-borne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the ground-borne vibration is rarely perceptible. The range of interest is from approximately 50 VdB, which is the typical background vibration-velocity level, to 100 VdB, which is the general threshold where minor damage can occur in fragile buildings. Exhibit 2-C illustrates common vibration sources and the human and structural response to ground-borne vibration.

EXHIBIT 2-C: TYPICAL LEVELS OF GROUND-BORNE VIBRATION



** RMS Vibration Velocity Level in VdB relative to 10^{-6} inches/second*

Source: Federal Transit Administration (FTA) Transit Noise Impact and Vibration Assessment.

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3 REGULATORY SETTING

To limit population exposure to physically and/or psychologically damaging as well as intrusive noise levels, the federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise. In most areas, automobile and truck traffic is the major source of environmental noise. Traffic activity generally produces an average sound level that remains constant with time. Air and rail traffic, and commercial and industrial activities are also major sources of noise in some areas. Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies.

3.1 STATE OF CALIFORNIA NOISE REQUIREMENTS

The State of California regulates freeway noise, sets standards for sound transmission, provides occupational noise control criteria, identifies noise standards, and provides guidance for local land use compatibility. State law requires that each county and city adopt a General Plan that includes a Noise Element which is to be prepared according to guidelines adopted by the Governor's Office of Planning and Research. (9) The purpose of the Noise Element is to *limit the exposure of the community to excessive noise levels*. In addition, the California Environmental Quality Act (CEQA) requires that all known environmental effects of a project be analyzed, including environmental noise impacts.

3.2 CITY OF COACHELLA GENERAL PLAN NOISE ELEMENT

The City of Coachella has adopted a Noise Element of the General Plan as *a tool for local planners to use in achieving and maintaining land uses that are compatible with environmental noise levels*. (10) The Noise Element identifies noise goals and policies to protect City of Coachella residents from excessive noise. The goals of the Noise Element are as follows:

Goal 1 Land Use Planning and Design. A community where noise compatibility between differing types of land uses is ensured through land use planning and design strategies.

Goal 2 Stationary Source Noise. A community where excessive noise from stationary sources is minimized.

Goal 3 Mobile Source Noise. A community where excessive noise from mobile sources is minimized.

To ensure noise-sensitive land uses are protected from high levels of noise (Goal 1), Exhibit 3-A identifies exterior noise level guidelines for new developments impacted by transportation noise sources such as arterial roads, freeways, airports and railroads. In addition, Table 1 of the Noise Technical Appendix provides an exterior noise level standard of 65 dBA CNEL and an interior noise level standard of 45 dBA CNEL for new residential developments impacted by transportation noise. The Noise Element also requires the analysis of new developments, as necessary, to identify mitigation measures to reduce noise levels to those found in Exhibit 3-A.

EXHIBIT 3-A: LAND USE/NOISE COMPATIBILITY MATRIX

LAND USE CATEGORIES		CNEL						
CATEGORIES	USES	55	60	65	70	75	80	
RESIDENTIAL	Single Family, Duplex, Multiple Family							
RESIDENTIAL	Mobile Homes							
COMMERCIAL - Regional, District	Hotel, Motel, Transient Lodging							
COMMERCIAL - Regional, Village District, Special	Commercial Retail, Bank, Restaurant, Movie Theater							
COMMERCIAL INDUSTRIAL	Office Building, Research and Development, Professional Offices, City Office Building							
COMMERCIAL - Recreation INSTITUTIONAL - Civic Center	Amphitheater, Concert Hall Auditorium, Meeting Hall							
COMMERCIAL - Recreation	Children's Amusement Park, Miniature Golf Course, Go-cart Track, Equestrian Center, Sports Club							
COMMERCIAL - General, Special INDUSTRIAL, INSTITUTIONAL	Automobile Service Station, Auto Dealership, Manufacturing, Warehousing, Wholesale, Utilities							
INSTITUTIONAL - General	Hospital, Church, Library, School Classroom							
OPEN SPACE	Parks							
OPEN SPACE	Golf Couse, Cemeteries, Nature Centers, Wildlife Reserves, Wildlife Habitat							
AGRICULTURE	Agriculture							

INTERPRETATION

ZONE A (GREEN) CLEARLY COMPATIBLE	Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal construction, without any special noise insulation requirements.
ZONE B (YELLOW) NORMALLY COMPATIBLE	New construction or development should be undertaken only after an analysis of the noise reduction requirements is made and needed noise insulation features included in the design are determined. Conventional construction, with closed windows and fresh air supply systems or air conditioning will normally suffice.
ZONE C (ORANGE) NORMALLY INCOMPATIBLE	New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.
ZONE D (RED) CLEARLY INCOMPATIBLE	New construction or development should generally not be undertaken.

* Construction of new residential uses will not be allowed within the 65 dBA CNEL contour for airport noise.

Source: City of Coachella General Plan Noise Element, Figure 10-1.

The noise criteria identified in the City of Coachella Noise Element are guidelines to evaluate the land use compatibility of transportation-related noise. The compatibility criteria, shown on Exhibit 3-A, provides the City with a planning tool to gauge the compatibility of land uses relative to existing and future exterior noise levels.

Exhibit 3-A provides guidelines to evaluate the acceptability of the transportation-related noise level impacts. These guidelines are based on the Governor's Office of Planning and Research and are used to assess the long-term traffic noise impacts on land uses. According to the land use compatibility guidelines of the General Plan, the utility/institutional land use of the Project is considered *clearly compatible* with exterior noise levels approaching 70 dBA CNEL. For

comparison, noise-sensitive residential land uses are considered *clearly compatible* with exterior noise levels of 60 dBA CNEL. (10)

3.3 OPERATIONAL NOISE STANDARDS

To analyze noise impacts originating from a designated fixed location or private property such as the Armtec Master Plan Project, operational source noise such as the roof top air conditioners and a truck staging/loading area are typically evaluated against standards established under a City's Municipal Code. For noise-sensitive residential properties, the City of Coachella Municipal Code, Section 7.04.030 (A), identifies exterior operational noise level limits for the daytime (6:00 a.m. to 10:00 p.m.) hours of 55 dBA Leq and 45 dBA Leq during the nighttime (10:00 p.m. to 6:00 a.m.) hours. The City of Coachella Municipal Code noise level standards are shown in Table 3-1 and provided in Appendix 3.1.

TABLE 3-1: OPERATIONAL NOISE STANDARDS

Jurisdiction	Land Use	Time Period	Exterior Noise Level Standards (dBA Leq)[2]
Coachella[1]	Residential	Daytime (6:00 a.m. to 10:00 p.m.)	55
		Nighttime (10:00 p.m. to 6:00 a.m.)	45

[1] Source: City of Coachella Municipal Code, Section 7.04.030 (A).
[2] Leq represents a steady state sound level containing the same total energy as a time varying signal over a given sample period.

3.4 CONSTRUCTION NOISE STANDARDS

To control noise impacts associated with the construction of the proposed Project, the City has established limits to the hours of operation. Section 7.04.070 of the City's Municipal Code, provided in Appendix 3.1, indicates that construction activities shall be limited from October 1st through April 30th, Monday to Friday, between the hours of 6:00 a.m. to 5:30 p.m., and between 8:00 a.m. to 5:00 p.m. on Saturdays, Sundays, and holidays. From May 1st through September 30th, construction is limited to between 5:00 a.m. to 7:00 p.m. Monday to Friday, and between 8:00 a.m. to 5:00 p.m. on Saturdays, Sundays, and holidays. (11) However, neither the City of Coachella General Plan nor Municipal Code establish numeric maximum acceptable construction source noise levels at potentially affected receivers. Therefore, a numerical construction threshold based on Federal Transit Administration (FTA) *Transit Noise and Vibration Impact Assessment Manual* is used for analysis of daytime construction impacts, as discussed below.

According to the FTA, local noise ordinances are typically not very useful in evaluating construction noise. They usually relate to nuisance and hours of allowed activity, and sometimes specify limits in terms of maximum levels, but are generally not practical for assessing the impact of a construction project. Project construction noise criteria should account for the existing noise environment, the absolute noise levels during construction activities, the duration of the construction, and the adjacent land use. Due to the lack of standardized construction noise thresholds, the FTA provides guidelines that can be considered reasonable criteria for

construction noise assessment. The FTA considers a daytime exterior construction noise level of 80 dBA L_{eq} as a reasonable threshold for noise sensitive residential land use (12 p. 179).

3.5 CONSTRUCTION VIBRATION STANDARDS

Construction activity can result in varying degrees of ground-borne vibration, depending on the equipment and methods used, distance to the affected structures and soil type. Construction vibration is generally associated with pile driving and rock blasting. Other construction equipment such as air compressors, light trucks, hydraulic loaders, etc., generates little or no ground vibration (12).

To analyze vibration impacts associated with the Project, vibration-generating activities are appropriately evaluated against standards established under a City's Municipal Code if such standards exist. The City of Coachella does not identify specific construction vibration level limits. Therefore, for analysis purposes, the Caltrans *Transportation and Construction Vibration Guidance Manual*, (13 p. 38) Table 19, vibration damage are used in this noise study to assess potential temporary construction-related impacts at adjacent building locations. The nearest noise sensitive buildings adjacent to the Project site can best be described as "older residential structures" with a maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec).

3.6 AIRCRAFT NOISE

The County of Riverside is responsible for the management and development of the Airport Land Use Compatibility Plan (ALUCP) for each public use and military airport in Riverside County. Each ALUCP identifies land use and noise level compatibility due to operations at airports as well as forecasted noise level contours based on future operations at each airport. These noise level contours and land use compatibility noise levels are used in determining whether a proposed land use is consistent with forecasted noise levels. The ALUCP for the Project site is the Jacqueline Cochran Regional Airport (JCRA) ALUCP. Exhibits 3-B and 3-C present the JCRA Compatibility Zones and the JCRA Compatibility Criteria, respectively. The Project is located in Zone D as shown on Exhibit 3-B

EXHIBIT 3-B: JCRA COMPATIBILITY ZONES

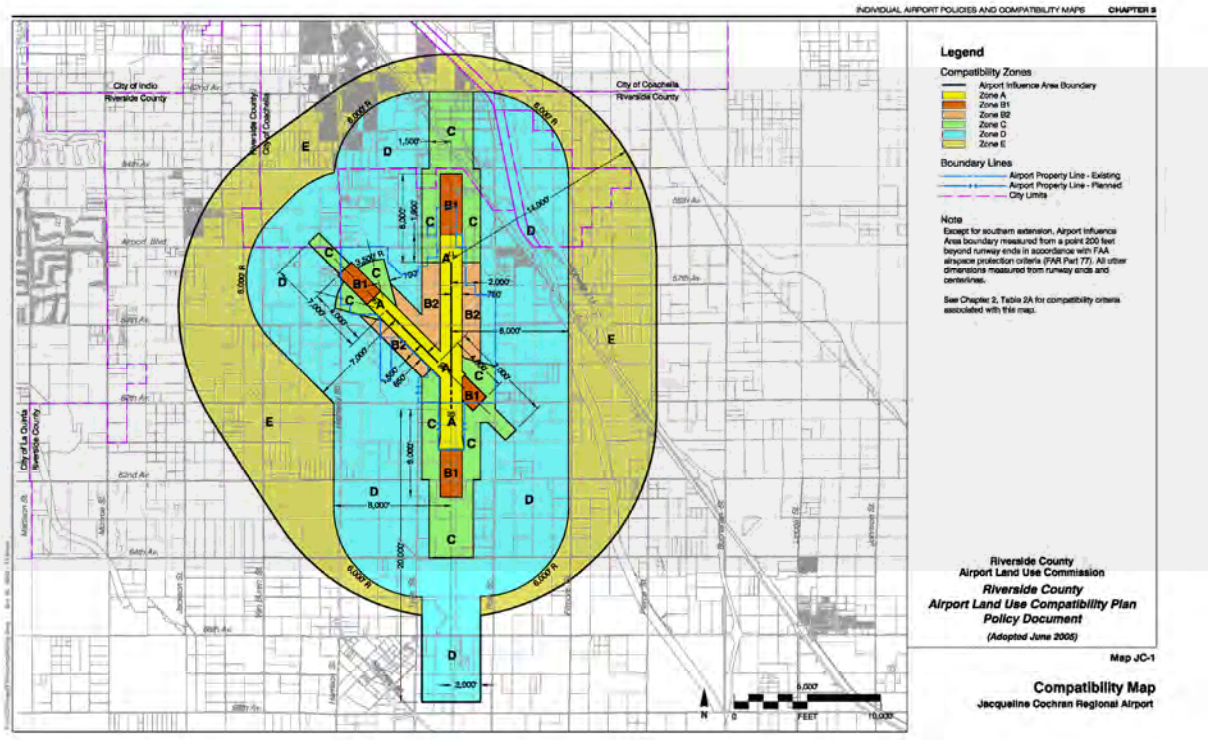


EXHIBIT 3-C: JCRA COMPATIBILITY CRITERIA

CITY OF COACHELLA:
GENERAL PLAN (1998), AND ZONING CODES

Residential Land Use

- *Compatibility Zone D*
  - Residential land use designations with densities ranging from 5.1 to 8.0 dwelling units per acre north of the airport [C1] potentially conflict with the high- and- low options for *Zone D*
- *Compatibility Zone E*
  - No inconsistencies noted

Other Policies

- *General Plan*
  - The Circulation Element "encourages implementation of the *Thermal Airport Master Plan* as it relates to safety, land use, and noise."
  - No acknowledgment of ALUC coordination
  - The General Plan should be amended to incorporate the current *ALUC Compatibility Plan* with respect to Jacqueline Cochran Regional Airport
  - Noise policy conditionally allows residential development up to 70 dB CNEL conflicts with *Compatibility Plan* limit of 60 dB CNEL
- Zoning Codes
  - Airport height limit zoning not established

Non-Residential Land Use

- *Compatibility Zone C*
  - Potential Conflict: *Zone C* intensity limits (75 people/acre) apply to area designated as Light Industrial/Warehousing north of airport [C2]
- *Compatibility Zone D*
  - Potential Conflict: *Zone D* intensity limits (100 people/acre) apply to areas designated as Light Industrial/Warehousing and Low-Intensity Commercial/Office northwest and northeast of airport [C3]
- *Compatibility Zone E*
  - No inconsistencies noted

Note: This is an initial land use consistency review prepared for the purpose of identifying areas where a conflict exists or potentially exists with ALUC compatibility zone criteria. This review is based upon available general plan documents and does not take into account existing land use. When a conflict between the general plan and compatibility criteria exists, it is not deemed inconsistent when the general plan is merely representing existing development. A more comprehensive analysis is necessary at the time a general plan land modification is presented to the ALUC for review.

Exhibit JC–10, continued

4 SIGNIFICANCE CRITERIA

The following significance criteria are based on currently adopted guidance provided by Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14). For the purposes of this report, impacts would be potentially significant if the Project results in or causes:

A. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

B. Generation of excessive ground-borne vibration or ground-borne noise levels?

C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

4.1 NOISE LEVEL INCREASES (THRESHOLD A)

Noise level increases resulting from the Project are evaluated based on the Appendix G CEQA Guidelines described above at the closest sensitive receiver locations. Under CEQA, consideration must be given to the magnitude of the increase, the existing ambient noise levels, and the location of noise-sensitive receivers to determine if a noise increase represents a significant adverse environmental impact. This approach *recognizes that there is no single noise increase that renders the noise impact significant.* (15) This is primarily because of the wide variation in individual thresholds of annoyance and differing individual experiences with noise. Thus, an important way of determining a person's subjective reaction to a new noise is the comparison of it to the existing environment to which one has adapted—the so-called *ambient* environment.

In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will typically be judged. The Federal Interagency Committee on Noise (FICON) (16) developed guidance to be used for the assessment of project-generated increases in noise levels that consider the ambient noise level. The FICON recommendations are based on studies that relate aircraft noise levels to the percentage of persons highly annoyed by aircraft noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, these recommendations are often used in environmental noise impact assessments involving the use of cumulative noise exposure metrics, such as the average-daily noise level (CNEL) and equivalent continuous noise level (L_{eq}). The FICON guidance provides an established source of criteria to assess the impacts of substantial temporary or permanent increase in ambient noise levels. Based on the FICON criteria, the amount to which a given noise level increase is considered acceptable is reduced when the without Project noise levels are already shown to exceed certain land-use specific exterior noise level criteria. The specific levels are based on typical responses to noise level increases of 5 dBA or *readily perceptible*, 3 dBA or *barely perceptible*, and 1.5 dBA depending on the underlying without Project noise levels for noise-sensitive uses. These levels of increases and their perceived acceptance are consistent with guidance provided by both the Federal Highway Administration (17 p. 9) and Caltrans (1).

4.2 VIBRATION (THRESHOLD B)

As described in Section 3.5, the vibration impacts originating from the construction of the Project Armtec Master Planare appropriately evaluated using the Caltrans vibration damage thresholds to assess potential temporary construction-related impacts at adjacent building locations. The nearest noise sensitive buildings adjacent to the Project site can best be described as "older residential structures" with a maximum acceptable continuous vibration threshold of 0.30 PPV (in/sec).

4.3 AIRPORT NOISE IMPACTS (THRESHOLD C)

CEQA Noise Threshold C applies when there are nearby public and private airports and/or air strips and focuses on land use compatibility of the Project to nearby airports and airstrips. The Project is located approximately 1.3 miles north of the Jacqueline Cochran Regional Airport (JCRA). As such, the Project site would potentially be exposed to excessive noise levels from airport operations, and therefore, further noise analysis is conducted in relation to Appendix G to the CEQA Guidelines, Noise Threshold C.

4.4 SIGNIFICANCE CRITERIA SUMMARY

Noise impacts shall be considered significant if any of the following occur as a direct result of the proposed Project. Table 4-1 shows the significance criteria summary matrix.

TABLE 4-1: SIGNIFICANCE CRITERIA SUMMARY

Analysis	Land Use	Condition(s)	Significance Criteria	
			Daytime	**Nighttime**
Offsite Noise	Noise-Sensitive	if ambient is < 60 dBA Leq[1]	≥ 5 dBA Leq Project increase	
		if ambient is 60 - 65 dBA Leq[1]	≥ 3 dBA Leq Project increase	
		if ambient is > 65 dBA Leq[1]	≥ 1.5 dBA Leq Project increase	
Aircraft	All	Exterior Noise Level Standards[2]	See Exhibit 3-C	
Operational Noise	Noise-Sensitive	Exterior Noise Level Standards[3]	55 dBA Leq	45 dBA Leq
		if ambient is < 60 dBA Leq[1]	≥ 5 dBA Leq Project increase	
		if ambient is 60 - 65 dBA Leq[1]	≥ 3 dBA Leq Project increase	
		if ambient is > 65 dBA Leq[1]	≥ 1.5 dBA Leq Project increase	
Construction Noise & Vibration	Permitted Construction Hours[4]	**October 1st to April 30th** 6:00 a.m. to 5:30 p.m. Mondays to Fridays	**May 1st to September 30th** 5:00 a.m. to 7:00 p.m. Mondays to Fridays	
		All Year: 8:00 a.m. to 5:00 p.m. Saturdays, Sundays, and holidays		
	Noise-Sensitive	Noise Level Threshold[5]	80 dBA Leq	n/a
		Vibration Level Threshold[6]	0.30 PPV (in/sec)	n/a

[1] Source: FICON, 1992.
[2] Source: Riverside County ALUCP, 2004
[3] Source: City of Coachella Municipal Code, Section 7.04.030 (A).
[4] Source: City of Coachella Municipal Code, Section 7.04.070.
[5] Source: Federal Transit Administration, Transit Noise Vibration Impact Assessment Manual.
[6] Source: U.S. Department of Transportation Federal Transit Administration, Transit Noise and Vibration Impact Assessment, May 2006.
"Daytime" = 6:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 6:00 a.m.; "n/a" = No nighttime operation is anticipated at the Project site and no nighttime construction activity is permitted, and therefore, no nighttime noise level thresholds are identified.

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5 EXISTING NOISE LEVEL MEASUREMENTS

To assess the existing noise level environment, five 24-hour noise level measurements were taken at sensitive receiver locations in the Project study area. The receiver locations were selected to describe and document the existing noise environment within the Project study area. Exhibit 5-A provides the boundaries of the Project study area and the noise level measurement locations. To fully describe the existing noise conditions, noise level measurements were collected by Urban Crossroads, Inc. on Thursday, June 13th, 2024. Appendix 5.1 includes study area photos.

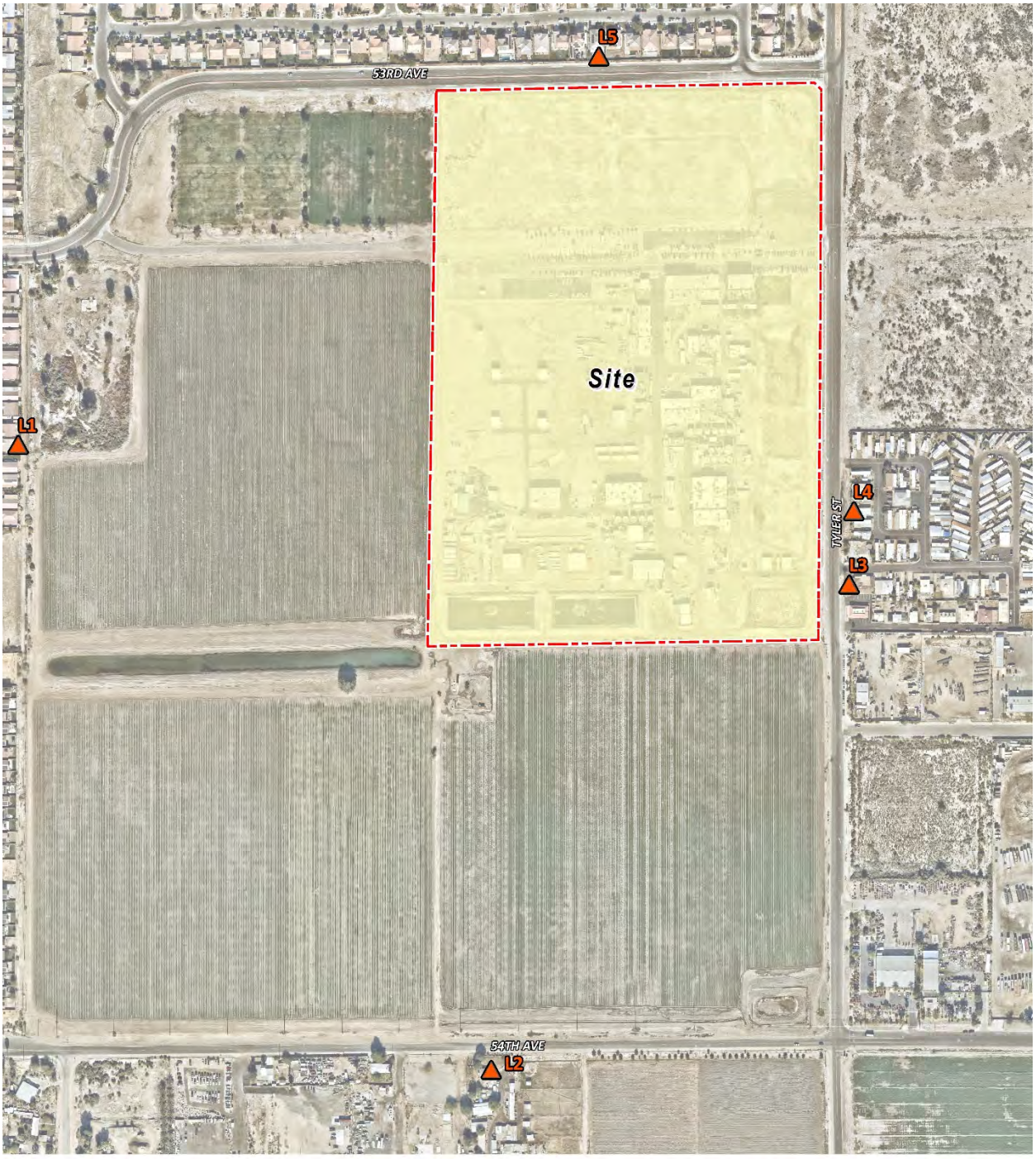
5.1 MEASUREMENT PROCEDURE AND CRITERIA

To describe the existing noise environment, the hourly noise levels were measured during typical weekday conditions over a 24-hour period. By collecting individual hourly noise level measurements, it is possible to describe the daytime and nighttime hourly noise levels and calculate the 24-hour CNEL. The long-term noise readings were recorded using Piccolo Type 2 integrating sound level meter and dataloggers. The Piccolo sound level meters were calibrated using a Larson-Davis calibrator, Model CAL 150. All noise meters were programmed in "slow" mode to record noise levels in "A" weighted form. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (18)

5.2 NOISE MEASUREMENT LOCATIONS

The long-term noise level measurements were positioned as close to the nearest sensitive receiver locations as possible to assess the existing ambient hourly noise levels surrounding the Project site. Based on recommendations found in the FTA *Transit Noise and Vibration Impact Assessment*, it is not necessary to collect measurements at each individual building or residence, because each receiver measurement represents a group of buildings that share acoustical equivalence. (8) In other words, the area represented by the receiver shares similar shielding, terrain, and geometric relationship to the reference noise source. Receivers represent a location of noise sensitive areas and are used to estimate the future noise level impacts. Collecting reference ambient noise level measurements at the nearby sensitive receiver locations allows for a comparison of the before and after Project noise levels and is necessary to assess potential noise impacts due to the Project's contribution to the ambient noise levels.

EXHIBIT 5-A: NOISE MEASUREMENT LOCATIONS OVERVIEW



5.3 NOISE MEASUREMENT RESULTS

To describe the existing ambient noise environment, the noise measurements presented below focus on the average or equivalent sound levels (Leq). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. Table 5-1 identifies the average hourly daytime (6:00 a.m. to 10:00 p.m.) and nighttime (10:00 p.m. to 6:00 a.m.) noise levels at each noise level measurement location. Appendix 5.2 provides a summary of the existing hourly ambient noise levels described below.

Table 5-1 provides the (energy average) noise levels used to describe the daytime and nighttime ambient conditions. These daytime and nighttime energy average noise levels represent the average of all hourly noise levels observed during these time periods expressed as a single number. Appendix 5.2 provides summary worksheets of the noise levels for each hour as well as the minimum, maximum, L_1, L_2, L_5, L_8, L_{25}, L_{50}, L_{90}, L_{95}, and L_{99} percentile noise levels observed during the daytime and nighttime periods.

The background ambient noise levels in the Project study area are dominated by the transportation-related noise associated with the arterial roadway network. This includes auto and heavy truck activities near the noise level measurement locations. The 24-hour existing noise level measurements shown in Table 5-1 present the worst-case existing unmitigated ambient noise conditions.

TABLE 5-1: 24-HOUR AMBIENT NOISE LEVEL MEASUREMENTS

Measurement[1]	Location	Energy Average Hourly Noise Level (dBA Leq)[2]	
		Daytime	Nighttime
L1	Located west of the site near the residence at 53330 Shady Ln.	49.5	45.3
L2	Located south of the site near the residence at 85755 Avenue 54.	64.4	62.2
L3	Located east of the site near the residence at 53460 Tyler St.	64.4	64.0
L4	Located east of the site near the residences at 53450 Tyler St.	63.0	61.8
L5	Located north of the site near the residence at 85925 Avenida Raylynn.	65.5	63.6

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6 TRAFFIC NOISE METHODS AND PROCEDURES

The following section outlines the methods and procedures used to estimate and analyze the future traffic noise environment. Consistent with the City of Coachella *Land Use Compatibility* guidelines, all transportation-related noise levels are presented in terms of the 24-hour CNEL.

6.1 FHWA TRAFFIC NOISE PREDICTION MODEL

The expected roadway noise level increases from vehicular traffic were calculated by Urban Crossroads, Inc. using a computer program that replicates the Federal Highway Administration (FHWA) Traffic Noise Prediction Model- FHWA-RD-77-108. (19) The FHWA Model arrives at a predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). In California, the national REMELs are substituted with the California Vehicle Noise (Calveno) Emission Levels. (20) Adjustments are then made to the REMEL to account for: the roadway classification (e.g., collector, secondary, major, or arterial), the roadway active width (i.e., the distance between the center of the outermost travel lanes on each side of the roadway), the total average daily traffic (ADT), the travel speed, the percentages of automobiles, medium trucks, and heavy trucks in the traffic volume, the roadway grade, the angle of view (e.g., whether the roadway view is blocked), the site conditions ("hard" or "soft" relates to the absorption of the ground, pavement, or landscaping), and the percentage of total ADT which flows each hour throughout a 24-hour period. Research conducted by Caltrans has shown that the use of soft site conditions is appropriate for the application of the FHWA traffic noise prediction model used in this analysis. (21)

6.1.1 OFF-SITE TRAFFIC NOISE PREDICTION MODEL INPUTS

Table 6-1 presents the roadway parameters used to assess the Project's off-site transportation noise impacts. Table 6-1 identifies the eight off-site study area roadway segments, the distance from the centerline to adjacent receiving land use based on the functional roadway classifications per the City of Coachella General Plan Circulation Element, and the posted vehicle speeds. The ADT volumes used in this study are presented in Table 6-2 are based on the *Armtec Master Plan Traffic Impact Analysis*, prepared by Urban Crossroads, Inc. (22) for the following traffic conditions:

- Existing 2024 Without Project Conditions
- Existing 2024 With Project Conditions
- Existing Plus Ambient Growth (EA) 2026 Without Project Conditions
- EA 2026 With Project Conditions
- Existing Plus Ambient Growth Plus Cumulative (EAC) 2026 Without Project Conditions
- EAC 2026 With Project Conditions

TABLE 6-1: OFF-SITE ROADWAY PARAMETERS

ID	Roadway	Segment	Classification[1]	Distance from Centerline to Receiving Land Use (Feet)[3]	Vehicle Speed (mph)
1	Tyler St.	s/o Grapefruit Blvd.	Primary Arterial	40'	50
2	Tyler St.	s/o Avenue 53	Primary Arterial	40'	50
3	Tyler St.	s/o Armtec Entrance	Primary Arterial	40'	50
4	Palm St.	s/o Grapefruit Blvd.	Local	30'	40
5	Grapefruit Blvd.	w/o Tyler St.	Major Arterial	30'	50
6	Grapefruit Blvd.	w/o Palm St.	Major Arterial	30'	50
7	Grapefruit Blvd.	e/o Palm St.	Major Arterial	30'	50
8	Airport Blvd.	w/o Palm St.	Major Arterial	46'	45

[1] City of Coachella and City General Plan Circulation Element
[2] Distance to receiving land use is based upon the right-of-way distances.

TABLE 6-2: AVERAGE DAILY TRAFFIC VOLUMES

ID	Roadway	Segment	Average Daily Traffic Volumes[1]					
			Existing		Existing Plus Ambient Growth		Existing Plus Ambient Growth Plus Cumulative	
			Without Project	With Project	Without Project	With Project	Without Project	With Project
1	Tyler St.	s/o Grapefruit Blvd.	2,090	2,190	2,170	2,270	2,250	2,350
2	Tyler St.	s/o Avenue 53	1,700	1,810	1,770	1,880	1,830	1,940
3	Tyler St.	s/o Armtec Entrance	1,330	1,340	1,380	1,390	1,440	1,450
4	Palm St.	s/o Grapefruit Blvd.	1,510	1,540	1,580	1,610	2,170	2,200
5	Grapefruit Blvd.	w/o Tyler St.	7,970	8,000	8,290	8,320	8,410	8,440
6	Grapefruit Blvd.	w/o Palm St.	6,050	6,060	6,300	6,310	6,970	6,980
7	Grapefruit Blvd.	e/o Palm St.	3,100	3,110	3,220	3,230	3,610	3,620
8	Airport Blvd.	w/o Palm St.	3,420	3,460	3,560	3,600	3,730	3,770

[1] Armtec Master Plan Traffic Analysis, Urban Crossroads.

The ADT volumes vary for each roadway segment based on the existing traffic volumes and the combination of Project traffic distributions. Tables 6-3 and 6-4 provide the time of day (daytime, evening, and nighttime) vehicle splits and Table 6-5 presents the traffic flow distributions (vehicle mix) used for this analysis. The vehicle mix provides the hourly distribution percentages of automobile, medium trucks, and heavy trucks for input into the FHWA noise prediction model.

TABLE 6-3: TIME OF DAY VEHICLE SPLITS (SECONDARY, COLLECTOR)

Time Period	Vehicle Type		
	Autos	Medium Trucks	Heavy Trucks
Daytime (7:00 a.m. - 7:00 p.m.)	75.5%	48.9%	47.3%
Evening (7:00 p.m. - 10:00 p.m.)	14.0%	2.2%	5.4%
Nighttime (10:00 p.m. - 7:00 a.m.)	10.5%	48.9%	47.3%
Total:	100.0%	100.0%	100.0%

Source: County of Riverside Office of Industrial Hygiene - Secondary, Collector

TABLE 6-4: TIME OF DAY VEHICLE SPLITS (MAJOR, ARTERIAL, URBAN ARTERIAL)

Time Period	Vehicle Type		
	Autos	Medium Trucks	Heavy Trucks
Daytime (7:00 a.m. - 7:00 p.m.)	75.5%	48.0%	48.0%
Evening (7:00 p.m. - 10:00 p.m.)	14.0%	2.0%	2.0%
Nighttime (10:00 p.m. - 7:00 a.m.)	10.5%	50.0%	50.0%
Total:	100.0%	100.0%	100.0%

Source: County of Riverside Office of Industrial Hygiene - Major, Arterial, Urban Arterial

TABLE 6-5: TRAFFIC FLOW BY VEHICLE TYPE (VEHICLE MIX)

Roadway	Total % Traffic Flow			Total
	Autos	Medium Trucks	Heavy Trucks	
Expressway, Arterial, Major[1]	92.00%	3.00%	5.00%	100.00%
Secondary, Collector[1]	97.42%	1.84%	0.74%	100.00%

[1] Source: County of Riverside Office of Industrial Hygiene, 2017.

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7 OFF-SITE TRAFFIC NOISE IMPACTS

To assess the off-site traffic CNEL noise level impacts associated with development of the proposed Project, noise level contours were developed based on *Armtec Master Plan Traffic Impact Analysis.* (23) Noise level contour boundaries represent the equal levels of noise exposure and are measured in CNEL from the center of the roadway. Noise level contours were developed for the following traffic scenarios:

- Existing 2024 Without Project Conditions
- Existing 2024 With Project Conditions
- Existing Plus Ambient Growth (EA) 2026 Without Project Conditions
- EA 2026 With Project Conditions
- Existing Plus Ambient Growth Plus Cumulative (EAC) 2026 Without Project Conditions
- EAC 2026 With Project Conditions

7.1 TRAFFIC NOISE LEVEL CONTOURS

Noise contours were used to assess the Project's incremental 24-hour dBA CNEL traffic-related noise impacts at land uses adjacent to roadways conveying Project traffic. The noise contours represent the distance to noise levels of a constant value and are measured from the center of the roadway for the 70, 65, and 60 dBA CNEL noise levels. The noise contours do not consider the effect of any existing noise barriers or topography that may attenuate ambient noise levels. In addition, because the noise contours reflect modeling of vehicular noise on area roadways, they appropriately do not reflect noise contributions from the surrounding stationary noise sources within the Project study area.

Tables 7-1 through 7-6 present a summary of the exterior dBA CNEL traffic noise levels. Roadway segments are analyzed in each of the following timeframes: Existing with and without Project conditions, EA with and without Project conditions, EAC with and without Project conditions. Appendix 7.1 includes a summary of the dBA CNEL traffic noise level contours for each of the traffic scenarios.

TABLE 7-1: EXISTING 2024 WITHOUT PROJECT CONDITIONS NOISE LEVEL CONTOURS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.2	41	88	190
2	Tyler St.	s/o Avenue 53	69.3	36	77	166
3	Tyler St.	s/o Armtec Entrance	68.2	30	65	141
4	Palm St.	s/o Grapefruit Blvd.	62.5	9	20	44
5	Grapefruit Blvd.	w/o Tyler St.	76.4	81	174	374
6	Grapefruit Blvd.	w/o Palm St.	75.2	67	145	312
7	Grapefruit Blvd.	e/o Palm St.	72.3	43	93	200
8	Airport Blvd.	w/o Palm St.	72.0	62	134	289

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-2: EXISTING 2024 WITH PROJECT CONDITIONS NOISE LEVEL CONTOURS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.4	42	91	196
2	Tyler St.	s/o Avenue 53	69.5	37	80	173
3	Tyler St.	s/o Armtec Entrance	68.2	30	66	142
4	Palm St.	s/o Grapefruit Blvd.	62.6	10	21	45
5	Grapefruit Blvd.	w/o Tyler St.	76.5	81	174	375
6	Grapefruit Blvd.	w/o Palm St.	75.3	67	145	312
7	Grapefruit Blvd.	e/o Palm St.	72.4	43	93	200
8	Airport Blvd.	w/o Palm St.	72.0	63	135	292

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-3: EA 2026 WITHOUT PROJECT CONDITIONS NOISE LEVEL CONTOURS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.3	42	91	195
2	Tyler St.	s/o Avenue 53	69.4	37	79	170
3	Tyler St.	s/o Armtec Entrance	68.4	31	67	144
4	Palm St.	s/o Grapefruit Blvd.	62.7	10	21	45
5	Grapefruit Blvd.	w/o Tyler St.	76.6	83	178	384
6	Grapefruit Blvd.	w/o Palm St.	75.4	69	149	320
7	Grapefruit Blvd.	e/o Palm St.	72.5	44	95	205
8	Airport Blvd.	w/o Palm St.	72.2	64	138	297

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-4: EA 2026 WITH PROJECT CONDITIONS NOISE LEVEL CONTOURS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.5	43	93	201
2	Tyler St.	s/o Avenue 53	69.7	38	82	177
3	Tyler St.	s/o Armtec Entrance	68.4	31	67	145
4	Palm St.	s/o Grapefruit Blvd.	62.8	10	21	46
5	Grapefruit Blvd.	w/o Tyler St.	76.6	83	179	385
6	Grapefruit Blvd.	w/o Palm St.	75.4	69	149	320
7	Grapefruit Blvd.	e/o Palm St.	72.5	44	95	205
8	Airport Blvd.	w/o Palm St.	72.2	64	139	299

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-5: EAC 2026 WITHOUT PROJECT CONDITIONS NOISE LEVEL CONTOURS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.5	43	93	200
2	Tyler St.	s/o Avenue 53	69.6	38	81	174
3	Tyler St.	s/o Armtec Entrance	68.5	32	69	148
4	Palm St.	s/o Grapefruit Blvd.	64.1	12	26	56
5	Grapefruit Blvd.	w/o Tyler St.	76.7	84	180	388
6	Grapefruit Blvd.	w/o Palm St.	75.9	74	159	342
7	Grapefruit Blvd.	e/o Palm St.	73.0	48	103	221
8	Airport Blvd.	w/o Palm St.	72.4	66	142	307

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-6: EAC 2026 WITH PROJECT CONDITIONS NOISE LEVEL CONTOURS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]	Distance to Contour from Centerline (Feet)		
				70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Tyler St.	s/o Grapefruit Blvd.	70.7	44	96	206
2	Tyler St.	s/o Avenue 53	69.8	39	84	181
3	Tyler St.	s/o Armtec Entrance	68.6	32	69	149
4	Palm St.	s/o Grapefruit Blvd.	64.1	12	26	57
5	Grapefruit Blvd.	w/o Tyler St.	76.7	84	181	389
6	Grapefruit Blvd.	w/o Palm St.	75.9	74	159	343
7	Grapefruit Blvd.	e/o Palm St.	73.0	48	103	221
8	Airport Blvd.	w/o Palm St.	72.4	67	143	309

[1] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

7.2 EXISTING CONDITION PROJECT TRAFFIC NOISE LEVELS

Table 7-1 presents the Existing 2024 without Project conditions, expected to range from 62.5 to 76.4 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-2 shows the Existing 2024 with Project conditions will range from 62.6 to 76.5 dBA CNEL. As shown in Table 7-7, the addition of the Project will generate a noise level increase of up to 0.2 dBA CNEL on the study area roadway segments. Based on the significance criteria in Section 4.2 for off-site traffic noise impacts, the Project-related noise level increases are considered less than significant under Existing conditions at the land uses adjacent to roadways conveying Project traffic.

TABLE 7-7: EXISTING OFF-SITE PROJECT-RELATED TRAFFIC NOISE IMPACTS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
			No Project	With Project	Project Addition	Limit	Exceeded?
1	Tyler St.	s/o Grapefruit Blvd.	70.2	70.4	0.2	1.5	No
2	Tyler St.	s/o Avenue 53	69.3	69.5	0.2	1.5	No
3	Tyler St.	s/o Armtec Entrance	68.2	68.2	0.0	1.5	No
4	Palm St.	s/o Grapefruit Blvd.	62.5	62.6	0.1	3.0	No
5	Grapefruit Blvd.	w/o Tyler St.	76.4	76.5	0.1	1.5	No
6	Grapefruit Blvd.	w/o Palm St.	75.2	75.3	0.1	1.5	No
7	Grapefruit Blvd.	e/o Palm St.	72.3	72.4	0.1	1.5	No
8	Airport Blvd.	w/o Palm St.	72.0	72.0	0.0	1.5	No

[1] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.
[2] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

7.3 EA 2026 TRAFFIC NOISE LEVEL INCREASES

Table 7-3 presents the EA 2026 without Project conditions, expected to range from 62.7 to 76.6 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-4 shows the EA 2026 with Project conditions will range from 62.8 to 76.6 dBA CNEL. As shown in Table 7-8, the addition of the Project will generate noise level increases of up to 0.3 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Section 4.2 for off-site traffic noise impacts, land uses adjacent to the study area roadway segments would experience *less than significant* noise level increases due to unmitigated EA 2026 Project-related traffic noise levels.

TABLE 7-8: EXISTING AND AMBIENT OFF-SITE PROJECT-RELATED TRAFFIC NOISE IMPACTS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
			No Project	With Project	Project Addition	Limit	Exceeded?
1	Tyler St.	s/o Grapefruit Blvd.	70.3	70.5	0.2	1.5	No
2	Tyler St.	s/o Avenue 53	69.4	69.7	0.3	1.5	No
3	Tyler St.	s/o Armtec Entrance	68.4	68.4	0.0	1.5	No
4	Palm St.	s/o Grapefruit Blvd.	62.7	62.8	0.1	3.0	No
5	Grapefruit Blvd.	w/o Tyler St.	76.6	76.6	0.0	1.5	No
6	Grapefruit Blvd.	w/o Palm St.	75.4	75.4	0.0	1.5	No
7	Grapefruit Blvd.	e/o Palm St.	72.5	72.5	0.0	1.5	No
8	Airport Blvd.	w/o Palm St.	72.2	72.2	0.0	1.5	No

[1] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.
[2] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

7.4 EAC 2026 TRAFFIC NOISE LEVEL INCREASES

Table 7-5 presents the EAC 2026 without Project conditions, expected to range from 64.1 to 76.7 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-6 shows the EAC 2026 with Project conditions will range from 64.1 to 76.7 dBA CNEL. As shown in Table 7-9, the addition of the Project will generate noise level increases up to 0.2 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Section 4.4 for off-site traffic noise impacts, land uses adjacent to the study area roadway segments would experience *less than significant* noise level increases due to unmitigated EAC 2026 Project-related traffic noise levels.

TABLE 7-9: EXISTING, AMBIENT AND CUMULATIVE OFF-SITE PROJECT-RELATED TRAFFIC NOISE IMPACTS

ID	Road	Segment	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
			No Project	With Project	Project Addition	Limit	Exceeded?
1	Tyler St.	s/o Grapefruit Blvd.	70.5	70.7	0.2	1.5	No
2	Tyler St.	s/o Avenue 53	69.6	69.8	0.2	1.5	No
3	Tyler St.	s/o Armtec Entrance	68.5	68.6	0.1	1.5	No
4	Palm St.	s/o Grapefruit Blvd.	64.1	64.1	0.0	3.0	No
5	Grapefruit Blvd.	w/o Tyler St.	76.7	76.7	0.0	1.5	No
6	Grapefruit Blvd.	w/o Palm St.	75.9	75.9	0.0	1.5	No
7	Grapefruit Blvd.	e/o Palm St.	73.0	73.0	0.0	1.5	No
8	Airport Blvd.	w/o Palm St.	72.4	72.4	0.0	1.5	No

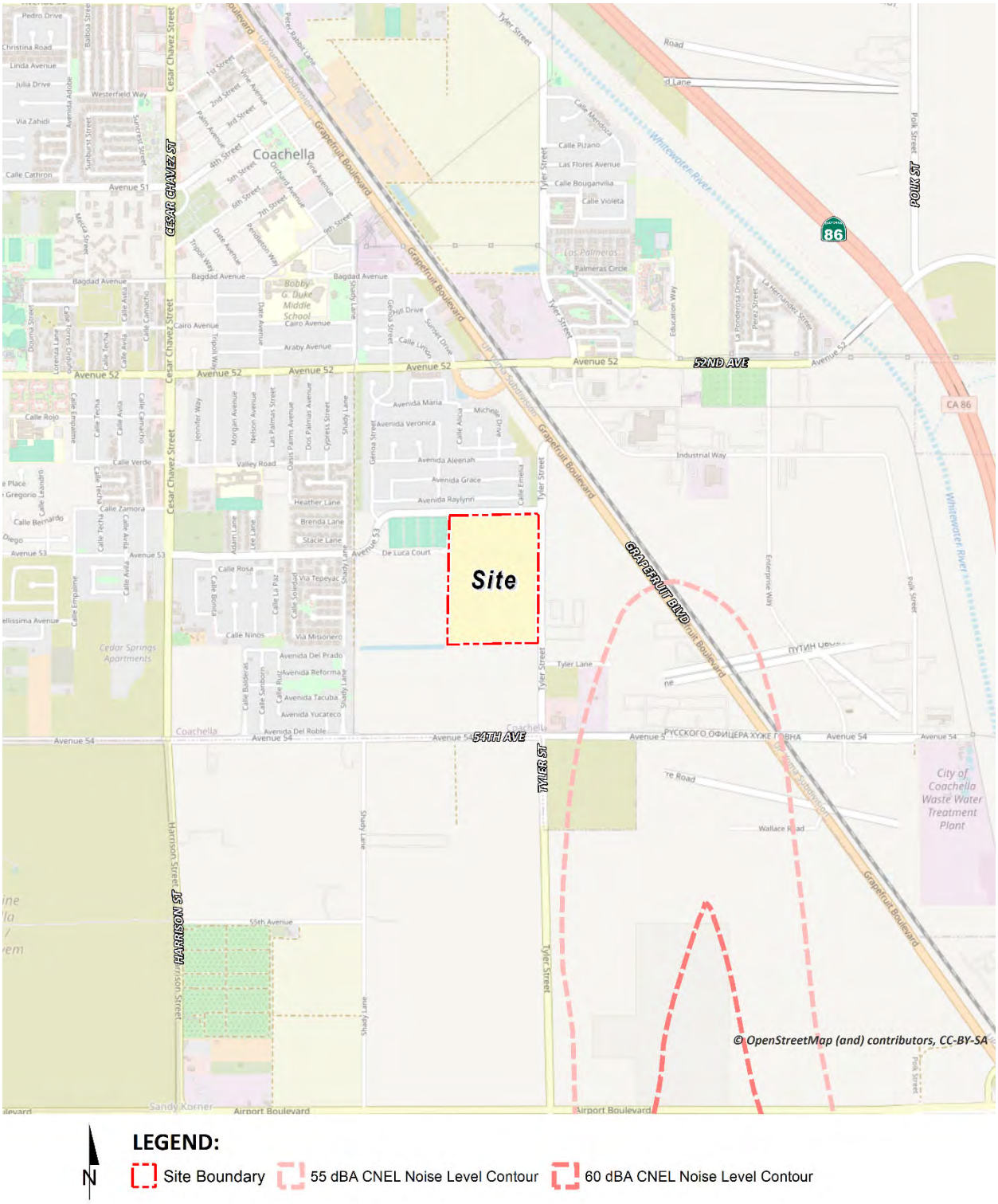
[1] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.
[2] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

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8 AIRCRAFT NOISE

The Jacqueline Cochran Regional Airport (JCRA) is located approximately 1.3 miles south of the Project site. The Project is within Zone D of the Riverside County ALUCP compatibility zones and, as can be seen in Exhibit 3-C, the ALUCP stipulates that so long as the density of the Project is restricted to 100 people/acre the potential conflict can be abated for non-residential uses within the zone. As shown in Exhibit 8-A, the Project lies outside of the 55 dBA CNEL contour for JCRA. This is below the compatibility standards of 55 dBA CNEL as shown on the significance criteria matrix in Table 4-1. Therefore, impacts due to aircraft noise would be *less than significant*.

EXHIBIT 8-A: JACQUELINE COCHRAN REGIONAL AIRPORT ALUCP NOISE LEVEL CONTOURS



9 RECEIVER LOCATIONS

To assess the potential for long-term operational and short-term construction noise impacts, the following sensitive receiver locations, as shown on Exhibit 9-A, were identified as representative locations for analysis. Sensitive receivers are generally defined as locations where people reside or where the presence of unwanted sound could otherwise adversely affect the use of the land. Noise-sensitive land uses are generally considered to include schools, hospitals, single-family dwellings, mobile home parks, churches, libraries, and recreation areas. Moderately noise-sensitive land uses typically include multi-family dwellings, hotels, motels, dormitories, out-patient clinics, cemeteries, golf courses, country clubs, athletic/tennis clubs, and equestrian clubs. Land uses that are considered relatively insensitive to noise include business, commercial, and professional developments. Land uses that are typically not affected by noise include: industrial, manufacturing, utilities, agriculture, undeveloped land, parking lots, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals.

To describe the potential off-site Project noise levels, five receiver locations in the vicinity of the Project site were identified. The selection of receiver locations is based on FHWA guidelines and is consistent with additional guidance provided by Caltrans and the FTA, as previously described in Section 5.2. Other sensitive land uses in the Project study area that are located at greater distances than those identified in this noise study will experience lower noise levels than those presented in this report due to the additional attenuation from distance and the shielding of intervening structures. Distance is measured in a straight line from the Project boundary to each receiver location.

R1: Location R1 represents the private residence at 53330 Shady Lane, approximately 1,363 feet west of the Project site. R1 is placed in the residence's outdoor living area (backyard) facing the Project site. A 24-hour noise measurement was taken near this location, L1, to describe the existing ambient noise environment.

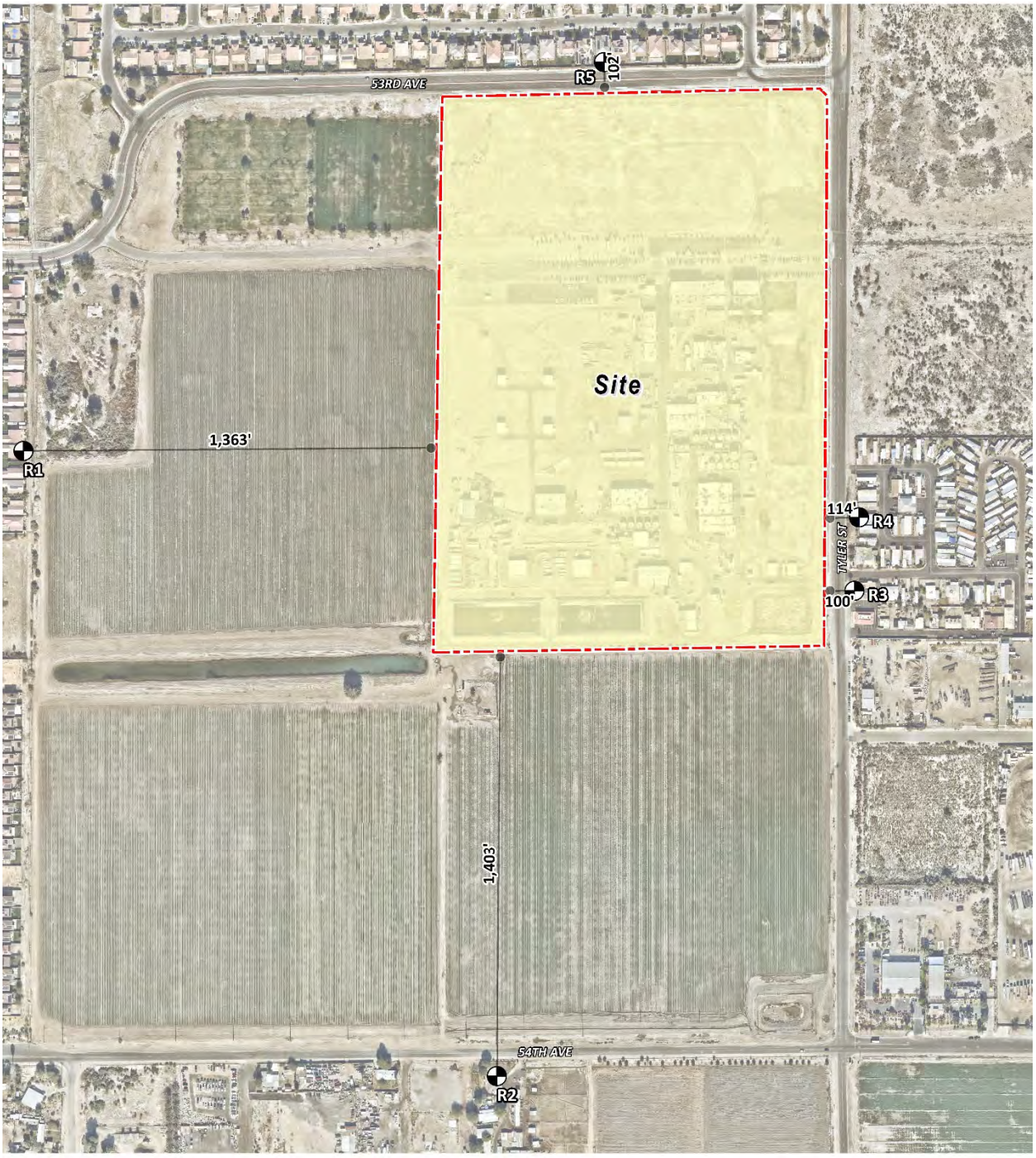
R2: Location R2 represents the private residence at 85755 Avenue 54, approximately 1,403 feet south of the Project site. Receiver R2 is placed at the façade facing the Project site. A 24-hour noise measurement was taken near this location, L2, to describe the existing ambient noise environment.

R3: Location R3 represents the private residence at 53460 Tyler Street, approximately 100 feet east of the Project site. Receiver R3 is placed at the façade facing the Project site. A 24-hour noise measurement was taken near this location, L3, to describe the existing ambient noise environment.

R4: Location R4 represents the existing noise sensitive residence at 53450 Tyler Street, approximately 114 feet east of the Project site. Receiver R4 is placed at the façade facing the Project site. A 24-hour noise measurement was taken near this location, L4, to describe the existing ambient noise environment.

R5: Location R5 represents the existing noise sensitive residence at 85925 Avenida Raylynn, approximately 102 feet north of the Project site. Receiver R5 is placed in the outdoor living area (backyard) facing the Project site. A 24-hour noise measurement was taken near this location, L5, to describe the existing ambient noise environment.

EXHIBIT 9-A: RECEIVER LOCATIONS



10 OPERATIONAL NOISE IMPACTS

This section analyzes potential impacts resulting from the activities associated with the operation of the Project, including roof top air conditioners and a truck staging/loading area.

10.1 OPERATIONAL NOISE SOURCES

This operational noise analysis is intended to describe noise level impacts associated with the expected typical daytime and nighttime activities at the Project site. The on-site Project-related noise sources are expected to include: roof top air conditioners and a truck staging/loading area.

10.2 REFERENCE NOISE LEVELS

To estimate the Project operational noise impacts, reference noise level measurements were collected from similar types of activities or taken from manufacturer's specification sheets to represent the noise levels expected with the development of the proposed Project. This section provides a detailed description of the reference noise levels shown in Table 10-1 used to estimate the Project operational noise impacts. It is important to note that the following projected noise levels assume the worst-case noise environment with the roof top air conditioners and a truck staging/loading area all operating at the same time. These sources of noise activity will likely vary throughout the day.

10.2.1 MEASUREMENT PROCEDURES

Unless noted in the following descriptions, the reference noise level measurements presented in this section were collected using a Larson Davis LxT Type 1 precision sound level meter (serial number 01146). The LxT sound level meter was calibrated using a Larson-Davis calibrator, Model CAL 200, which was programmed in "slow" mode to record noise levels in "A" weighted form and was located at approximately five feet above the ground elevation for each measurement. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (18)

EXHIBIT 10-A: OPERATIONAL NOISE LOCATIONS



TABLE 10-1: REFERENCE NOISE LEVEL MEASUREMENTS

Noise Source	Noise Source Height (Feet)	Min./Hour[1]		Reference Noise Level @50 feet (dBA L_{eq})	Sound Power Level (dBA)[2]
		Day	Night		
Roof-Top Air Conditioning Units	5'	39	28	57.2	88.9
Staging/Loading Activities	5'	60	0	71.8	103.7

[1] Anticipated duration (minutes within the hour) of noise activity during typical hourly conditions expected at the Project site.
[2] Sound power level represents the total amount of acoustical energy (noise level) produced by a sound source independent of distance or surroundings. Sound power levels calculated using the CadnaA noise model at the reference distance to the noise source.
"Day" = 7:00 a.m. to 6:00 p.m.; "Evening" = 6:00 p.m. to 10:00 p.m.; "Night" = 10:00 p.m. to 7:00 a.m.

10.2.2 ROOF-TOP AIR CONDITIONING UNITS

To assess the noise levels created by the roof-top air conditioning units, reference noise level measurements were collected from a Lennox SCA120 series 10-ton model packaged air conditioning unit. At the uniform reference distance of 50 feet, the reference noise levels are 57.2 dBA L_{eq}. Based on the typical operating conditions observed over a four-day measurement period, the roof-top air conditioning units are estimated to operate for an average of 39 minutes per hour during the daytime hours, and 28 minutes per hour during the nighttime hours. For this noise analysis, the air conditioning units are expected to be located on the roof of the proposed building. This reference noise level describes the expected roof-top air conditioning units located 5 feet above the roof.

10.2.3 TRUCK STAGING/LOADING ACTIVITIES

To represent the noise levels associated with truck staging/loading activities, Urban Crossroads collected a reference noise level measurement of a loaded semi-truck parking. The measured reference noise level at the uniform 50-foot reference distance is 71.8 dBA Leq for truck staging and loading. The truck staging and loading noise levels include opening/closing doors, engines revving, brakes engaging, transferring cargo, and engines idling. Noise associated with truck staging is expected to occur for the entire hour (60 minutes) during the daytime hours.

10.3 CADNAA NOISE PREDICTION MODEL

To fully describe the exterior operational noise levels from the Project, Urban Crossroads, Inc. developed a noise prediction model using the CadnaA (Computer Aided Noise Abatement) computer program. CadnaA can analyze multiple types of noise sources using the spatially accurate Project site plan, georeferenced Nearmap aerial imagery, topography, buildings, and barriers in its calculations to predict outdoor noise levels.

Using the ISO 9613-2 protocol, CadnaA will calculate the distance from each noise source to the noise receiver locations, using the ground absorption, distance, and barrier/building attenuation inputs to provide a summary of noise level at each receiver and the partial noise level

contributions by noise source. Consistent with the ISO 9613-2 protocol, the CadnaA noise prediction model relies on the reference sound power level (L_w) to describe individual noise sources. While sound pressure levels (e.g., L_{eq}) quantify in decibels the intensity of given sound sources at a reference distance, sound power levels (L_w) are connected to the sound source and are independent of distance. Sound pressure levels vary substantially with distance from the source and diminish because of intervening obstacles and barriers, air absorption, wind, and other factors. Sound power is the acoustical energy emitted by the sound source and is an absolute value that is not affected by the environment. The operational noise level calculations provided in this noise study account for the distance attenuation provided due to geometric spreading, when sound from a localized stationary source (i.e., a point source) propagates uniformly outward in a spherical pattern. A default ground attenuation factor of 0.5 was used in the noise analysis to account for mixed ground representing a combination of hard and soft surfaces.

10.4 OPERATIONAL NOISE LEVELS

Based upon the reference noise levels, it is possible to estimate the Project operational stationary/area-source noise levels at each of the sensitive receiver locations. The daytime project stationary/area-source noise level calculations shown in Tables 10-2 through 10-4 account for the distance attenuation provided due to geometric spreading, when sound from a localized stationary source (i.e., a point source) propagates uniformly outward in a spherical pattern. With geometric spreading, sound levels attenuate (or decrease) at a rate of 6 dB for each doubling of distance from a point source (roof-top air conditioning units) and 4.5 dB for each doubling of distance from an area source (parking lot vehicle movements). Table 10-2 indicates that the hourly noise levels associated with the roof top air conditioners and a truck staging/loading area are expected to range from 41.0 to 48.4 dBA Leq at the nearby sensitive receiver locations for the daytime. Table 10-3 indicates a range of 17.2 to 37.2 dBA L_{eq} for the nighttime.

TABLE 10-2: DAYTIME PROJECT STATIONARY/AREA-SOURCE NOISE LEVELS (DBA L_{EQ})

Noise Source[1]	Daytime Noise Level (dBA L_{eq})				
	R1	R2	R3	R4	R5
Roof-Top Air Conditioning Units	19.6	21.7	36.8	39.6	24.2
Staging/Loading Activities	48.4	40.9	43.6	45.5	46.8
Total (All Noise Sources)	**48.4**	**41.0**	**44.4**	**46.5**	**46.8**

[1] See Exhibit 10-A for the noise source locations. CadnaA noise model calculations are included in Appendix 10.1.

TABLE 10-3: NIGHTTIME PROJECT STATIONARY/AREA-SOURCE NOISE LEVEL (DBA L_{EQ})

Noise Source[1]	Daytime Noise Level (dBA L_{eq})				
	R1	R2	R3	R4	R5
Roof-Top Air Conditioning Units	17.1	19.3	34.4	37.2	21.8
Staging/Loading Activities	0.0	0.0	0.0	0.0	0.0
Total (All Noise Sources)	**17.2**	**19.4**	**34.4**	**37.2**	**21.8**

[1] See Exhibit 10-A for the noise source locations. CadnaA noise model calculations are included in Appendix 10.1.

10.5 OPERATIONAL NOISE LEVEL COMPLIANCE

The operational noise levels related to the roof top air conditioners and a truck staging/loading area associated with the Project are considered exempt from the City of Coachella Municipal Code noise standards. However, to demonstrate compliance with CEQA Guidelines, this analysis evaluates the potential operational noise levels against the City of Coachella Municipal Code exterior noise standards at the closest noise-sensitive receiver locations.

Table 10-4 shows that the Project-related operational noise levels at the closest sensitive receiver locations will range from 17.2 to 48.4 dBA Leq and will satisfy the residential daytime 55 dBA Leq and nighttime 45 dBA Leq noise level standards of the City of Coachella Municipal Code. Appendix 10.1 includes the operational noise level calculations.

TABLE 10-4: OPERATIONAL NOISE LEVEL COMPLIANCE

Receiver Location[1]	Project Operational Noise Levels (dBA Leq)[2]		Noise Level Standards (dBA Leq)[3]		Threshold Exceeded?[4]	
	Day	Night	Day	Night	Day	Night
R1	48.4	17.2	55	45	No	No
R2	41.0	19.4	55	45	No	No
R3	44.4	34.4	55	45	No	No
R4	46.5	37.2	55	45	No	No
R5	46.8	21.8	55	45	No	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise level calculations included in Appendix 10.1.
[3] City of Coachella exterior noise level standards by land use, as shown in Table 3-1.
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
"Day" = 7:00 a.m. to 6:00 p.m.; "Evening" = 6:00 p.m. to 10:00 p.m.; "Night" = 10:00 p.m. to 7:00 a.m.

The Project-related operational noise levels will still satisfy the City of Coachella Municipal Code noise level standards at nearby sensitive receiver locations, and therefore, the operational noise impacts will be *less than significant*. No exterior noise mitigation measures are required since there is not a significant noise impact.

10.6 PROJECT OPERATIONAL NOISE CONTRIBUTION

To describe the Project operational noise level contributions, the Project operational noise levels were combined with the existing ambient noise levels measurements for the off-site receiver locations potentially impacted by Project operational noise sources. Since the units used to measure noise, decibels (dB), are logarithmic units, the Project-related operational and existing ambient noise levels cannot be combined using standard arithmetic equations. (1) Instead, they must be logarithmically added using the following base equation:

$$SPL_{Total} = 10\log_{10}[10^{SPL1/10} + 10^{SPL2/10} + \ldots 10^{SPLn/10}]$$

Where "SPL1," "SPL2," etc. are equal to the sound pressure levels being combined, or in this case, the Project-related operational and existing ambient noise levels. The difference between the combined Project and ambient noise levels describe the Project noise level contributions. Noise levels that would be experienced at receiver locations when Project-source noise is added to the ambient daytime and nighttime conditions are presented in Tables 10-5 and 10-6, respectively.

As indicated in Table 10-5, the Project will contribute an operational noise level increase of up to 2.5 Leq during the daytime hours at the closest sensitive receiver locations. Table 10-6 shows that the nighttime Project-related operational noise level increases will approach less than 0.01 dBA Leq. Since the Project-related operational noise level contributions will satisfy the significance criteria discussed in Section 4, the increases at the sensitive receiver locations will be *less than significant*. On this basis, Project operational stationary-source noise would not result in a substantial temporary/periodic, or permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project and impacts in these regards will be *less than significant*.

TABLE 10-5: DAYTIME OPERATIONAL NOISE LEVEL CONTRIBUTIONS (DBA LEQ)

Receiver Location[1]	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	48.4	L1	49.5	52.0	2.5	5.0	No
R2	41.0	L2	64.4	64.4	0.0	3.0	No
R3	44.4	L3	64.4	64.4	0.0	3.0	No
R4	46.5	L4	63.0	63.1	0.1	3.0	No
R5	46.8	L5	65.5	65.6	0.1	1.5	No

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project operational noise levels as shown in Table 10-5.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown in Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance Criteria as defined in Section 4.

TABLE 10-6: NIGHTTIME OPERATIONAL NOISE LEVEL CONTRIBUTIONS (DBA LEQ)

Receiver Location[1]	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	17.2	L1	45.3	45.3	0.0	5.0	No
R2	19.4	L2	62.2	62.2	0.0	3.0	No
R3	34.4	L3	64.0	64.0	0.0	3.0	No
R4	37.2	L4	61.8	61.8	0.0	3.0	No
R5	21.8	L5	63.6	63.6	0.0	3.0	No

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project operational noise levels as shown in Table 10-5.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed nighttime ambient noise levels as shown in Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance Criteria as defined in Section 4.

11 CONSTRUCTION NOISE IMPACTS

This section analyzes potential impacts resulting from the temporary activities associated with the construction of the Project. Exhibit 11-A shows the construction noise source locations in relation to the nearest sensitive receiver locations previously described in Section 8. To control noise impacts associated with the construction of the Project, the City has established limits to the hours of operation. Section 7.04.070 of the City's Municipal Code, provided in Appendix 3.1, indicates that construction activities shall be limited from October 1st through April 30th, Monday to Friday, between the hours of 6:00 a.m. to 5:30 p.m., and between 8:00 a.m. to 5:00 p.m. on Saturdays, Sundays, and holidays. From May 1st through September 30th, construction is limited to between 5:00 a.m. to 7:00 p.m. Monday to Friday, and between 8:00 a.m. to 5:00 p.m. on Saturdays, Sundays, and holidays. (11)

11.1 CONSTRUCTION NOISE LEVELS

The FTA *Transit Noise and Vibration Impact Assessment Manual* recognizes that construction projects are accomplished in several different stages and outlines the procedures for assessing noise impacts during construction. Each stage has a specific equipment mix, depending on the work to be completed during that stage. As a result of the equipment mix, each stage has its own noise characteristics - some stages have higher continuous noise levels than others, and some have higher impact noise levels than others. The Project construction activities are expected to occur in the following stages:

- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

11.2 CONSTRUCTION REFERENCE NOISE LEVELS

To describe construction noise activities, this construction noise analysis was prepared using reference construction equipment noise levels published in the Roadway Construction Noise Model (RCNM), which includes a national database of construction equipment reference noise emission levels. (24) The RCNM equipment database provides a comprehensive list of the noise generating characteristics for specific types of construction equipment. In addition, the database provides an acoustical usage factor to estimate the fraction of time each piece of construction equipment is operating at full power (i.e., its loudest condition) during a construction operation.

EXHIBIT 11-A: TYPICAL CONSTRUCTION NOISE SOURCE LOCATIONS



11.3 CONSTRUCTION NOISE ANALYSIS

Using the reference construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts at the nearby sensitive receiver locations were completed. For construction noise assessment, construction equipment can be considered to operate in two modes: stationary and mobile. As defined, stationary equipment operates in a single location for one or more days at a time, with either fixed-power operation (e.g., pumps, generators, and compressors) or variable-power operation (e.g., pile drivers, rock drills, and pavement breakers). Mobile equipment moves around the construction site with power applied in cyclic fashion, such as bulldozers, graders, and loaders (FTA 2018). The FTA and FHWA recommend noise impacts from stationary equipment be assessed from the center of the equipment location, while noise impacts from mobile construction equipment should be assessed from the center of the equipment activity area (e.g., construction site). Thus, to assess a more realistic and reasonable worst-case construction scenario while accounting for the dynamic nature of construction activities, this Project construction noise analysis models the equipment combination with the highest reference combined level as a moving point within the construction area (Project site boundary).

TABLE 11-1: CONSTRUCTION REFERENCE NOISE LEVELS

Construction Stage	Reference Construction Activity	Reference Noise Level @ 50 Feet (dBA L_{eq})[1]	Combined Noise Level (dBA L_{eq})[2]	Combined Sound Power Level (PWL)[3]
Site Preparation	Crawler Tractors	78.0	80.0	111.6
	Hauling Trucks	72.0		
	Rubber Tired Dozers	75.0		
Grading	Graders	81.0	83.0	114.6
	Excavators	77.0		
	Compactors	76.0		
Building Construction	Cranes	73.0	81.0	112.6
	Tractors	80.0		
	Welders	70.0		
Paving	Pavers	74.0	83.0	114.6
	Paving Equipment	82.0		
	Rollers	73.0		
Architectural Coating	Cranes	73.0	77.0	108.6
	Air Compressors	74.0		
	Generator Sets	70.0		

[1] FHWA Roadway Construction Noise Model (RCNM).

[2] Represents the combined noise level for all equipment assuming they operate at the same time consistent with FTA Transit Noise and Vibration Impact Assessment guidance.

[3] Sound power level represents the total amount of acoustical energy (noise level) produced by a sound source independent of distance or surroundings. Sound power levels calibrated using the CadnaA noise model at the reference distance to the noise source.

Construction impacts are based on the highest noise level calculated at each receiver location. As shown in Table 11-2, the construction noise levels are expected to range from 41.5 to 58.6 dBA L_{eq} at the nearby receiver locations. Appendix 11.1 includes the detailed CadnaA construction noise model inputs.

TABLE 11-2: CONSTRUCTION EQUIPMENT NOISE LEVEL SUMMARY

Receiver Location[1]	Construction Noise Levels (dBA L_{eq})					
	Site Preparation	Grading	Building Construction	Paving	Architectural Coating	Highest Levels[2]
R1	45.6	48.6	46.6	48.6	42.6	48.6
R2	44.5	47.5	45.5	47.5	41.5	47.5
R3	55.1	58.1	56.1	58.1	52.1	58.1
R4	55.3	58.3	56.3	58.3	52.3	58.3
R5	55.6	58.6	56.6	58.6	52.6	58.6

[1] Noise receiver locations are shown on Exhibit 11-A.
[2] Construction noise level calculations based on distance from the construction activity, which is measured from the Project site boundary to the nearest receiver locations. CadnaA construction noise model inputs are included in Appendix 11.1.

11.4 CONSTRUCTION NOISE LEVEL COMPLIANCE

To evaluate whether the Project will generate potentially significant short-term noise levels at nearest receiver locations, a construction-related daytime noise level threshold of 80 dBA L_{eq} is used as a reasonable threshold to assess the daytime construction noise level impacts. The construction noise analysis shows that the nearest receiver locations will satisfy the reasonable daytime 80 dBA L_{eq} significance threshold during Project construction activities as shown in Table 11-3. Therefore, the noise impacts due to Project construction noise are considered *less than significant* at all receiver locations.

TABLE 11-3: CONSTRUCTION NOISE LEVEL COMPLIANCE

Receiver Location[1]	Construction Noise Levels (dBA L_{eq})		
	Highest Construction Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	48.6	80	No
R2	47.5	80	No
R3	58.1	80	No
R4	58.3	80	No
R5	58.6	80	No

[1] Noise receiver locations are shown on Exhibit 11-A.
[2] Highest construction noise level calculations based on distance from the construction noise source activity to the nearest receiver locations as shown in Table 10-2.
[3] Construction noise level thresholds as shown in Table 4-1.
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?

11.5 CONSTRUCTION VIBRATION ANALYSIS

Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods employed. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Ground vibration levels associated with various types of construction equipment are summarized in Table 11-4. Based on the representative vibration levels presented for various construction equipment types, it is possible to estimate the potential for human response (annoyance) and building damage using the following vibration assessment methods defined by Caltrans. To calculate vibration levels at distance, Caltrans provides the following equation: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$

TABLE 11-4: VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT

Equipment	PPV (in/sec) at 25 feet
Small Bulldozer	0.003
Jackhammer	0.035
Loaded Trucks	0.076
Large Bulldozer	0.089
Vibratory Roller	0.210

Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual

Table 11-5 presents the expected Project-related vibration levels at the nearby receiver building façade locations. At distances ranging from 100 to 1,403 feet from the building façade to the Project construction activities, construction vibration velocity levels are estimated to range from less than 0.01 up to 0.03 (in/sec). Based on the maximum acceptable continuous vibration threshold of 0.30 PPV (in/sec), the typical Project construction vibration levels will fall below the building damage thresholds at all noise sensitive receiver locations. Therefore, the Project-related vibration impacts are considered *less than significant* during typical construction activities at the Project site. Moreover, the vibration levels reported at the sensitive receiver locations are unlikely to be sustained during the entire construction period but will occur rather only during the times that heavy construction equipment is operating adjacent to the Project site perimeter.

TABLE 11-5: PROJECT CONSTRUCTION VIBRATION LEVELS

Location[1]	Distance to Const. Activity (Feet)[2]	Typical Construction Vibration Levels PPV (in/sec)[3]						Thresholds PPV (in/sec)[4]	Thresholds Exceeded?[5]
		Small Bulldozer	Jackhammer	Loaded Trucks	Large Bulldozer	Vibratory Roller	Highest Vibration Level		
R1	1,363'	0.00	0.00	0.00	0.00	0.00	0.00	0.30	No
R2	1,403'	0.00	0.00	0.00	0.00	0.00	0.00	0.30	No
R3	100'	0.00	0.00	0.01	0.01	0.03	0.03	0.30	No
R4	114'	0.00	0.00	0.01	0.01	0.02	0.02	0.30	No
R5	102'	0.00	0.00	0.01	0.01	0.03	0.03	0.30	No

[1] Receiver locations are shown on Exhibit 11-A.
[2] Distance from receiver building facade to Project construction boundary (Project site boundary).
[3] Based on the Vibration Source Levels of Construction Equipment (Table 11-4).
[4] Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Table 19, p. 38.
[5] Does the peak vibration exceed the acceptable vibration thresholds?
"PPV" = Peak Particle Velocity

12 REFERENCES

1. **California Department of Transportation Environmental Program.** *Technical Noise Supplement - A Technical Supplement to the Traffic Noise Analysis Protocol.* Sacramento, CA : s.n., September 2013.

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3. **U.S. Department of Transportation, Federal Highway Administration, Office of Environment and Planning, Noise and Air Quality Branch.** *Highway Traffic Noise Analysis and Abatement Policy and Guidance.* June, 1995.

4. **U.S. Department of Transportation, Federal Highway Administration.** *Highway Traffic Noise in the United States, Problem and Response.* April 2000. p. 3.

5. **U.S. Environmental Protection Agency Office of Noise Abatement and Control.** *Noise Effects Handbook-A Desk Reference to Health and Welfare Effects of Noise.* October 1979 (revised July 1981). EPA 550/9/82/106.

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7. **Center for Disease Control and Prevention.** About Hearing Loss. [Online] [Cited: 04 15, 2016.] http://www.cdc.gov/healthyschools/noise/signs.htm.

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9. **Office of Planning and Research.** *State of California General Plan Guidlines 2003.* October 2003.

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19. **U.S. Department of Transportation, Federal Highway Administration.** *FHWA Highway Traffic Noise Prediction Model.* December 1978. FHWA-RD-77-108.

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21. **California Department of Transportation.** *Traffic Noise Attenuation as a Function of Ground and Vegetation Final Report.* June 1995. FHWA/CA/TL-95/23.

22. **Urban Crossroads, Inc.** *Desert Island Hotel Focused Traffic Analysis.* 2022.

23. **Urban Crossroads.** *Armtec Master Plan Traffic Analysis.* 2024.

24. **U.S. Department of Transportation, Federal Highway Administration, Office of Environment and Planning.** *FHWA Roadway Construction Noise Model.* January, 2006.

13 CERTIFICATION

The contents of this noise study report represent an accurate depiction of the noise environment and impacts associated with the proposed Armtec Master Plan. The information contained in this noise study report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (619) 788-1971.

William Maddux, INCE
Senior Associate
URBAN CROSSROADS, INC.
(619) 788-1971

EDUCATION

Bachelor of Science in Urban and Regional Planning
California Polytechnic State University, Pomona • June 2000

PROFESSIONAL AFFILIATIONS

ASA – Acoustical Society of America
AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
INCE – Institute of Noise Control Engineers

PROFESSIONAL CERTIFICATIONS

Approved Acoustical Consultant • County of San Diego
FHWA Traffic Noise Model of Training • November 2004
CadnaA Basic and Advanced Training Certificate • January 2024

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APPENDIX 3.1:

CITY OF COACHELLA MUNICIPAL CODE

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Title 7 - NOISE CONTROL

Chapters:

Chapter 7.04 - NOISE CONTROL[1]

Sections:

Footnotes:

--- (1) ---

Editor's note—Ord. No. 1022, adopted Nov. 17, 2010, amended ch. 7.04 in its entirety to read as herein set out. Former ch. 7.04 pertained to similar subject matter, consisted of §§ 7.04.010—7.04.140, and derived from Ord. 940.

7.24.010 - Purpose.

The city council finds and declares that:

A. Inadequately controlled noise presents a growing danger to the health and welfare of the residents of the city of Coachella;

B. The making and creation of excessive, unnecessary or unusually loud noises within the limits of the city of Coachella is a condition that has existed for some time, however, the extent and volume of such noises is increasing;

C. The making, creation or maintenance of such excessive, unnecessary, unnatural or unusually loud noises that are prolonged, unusual and unnatural in their time, place and use affect and are a detriment to public health, comfort, convenience, safety, welfare and prosperity of the residents of the city of Coachella;

D. Every person is entitled to an environment in which the noise is not detrimental to his life, health, or enjoyment of property; and

E. The necessity in the public interest for the provisions and prohibitions hereinafter contained and enacted, is declared as a matter of legislative determination and public policy, and it is further declared that the provisions and prohibitions hereinafter contained and enacted are in pursuance of and for the purpose of securing and promoting the public health, comfort, convenience, safety, welfare and prosperity and the peace and quiet of the residents of the city of Coachella.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.020 - Definitions.

[As used in this chapter, the following terms have the meanings given:]

"A-weighted sound level" means the sound pressure level in decibels as measured on a sound level meter using the A-weighting network. The level to read is designated db(A) or dBA.

"Ambient noise level" means the all-encompassing noise level associated with a given environment, being a composite of sounds from all sources, excluding the alleged offensive noise, at the location and approximate time at which a comparison with the alleged offensive noise is to be made.

"Amplified music" means instrumental and/or vocal music amplified through electronic means.

"Average sound level" means a sound level typical of the sound levels at a certain place during a given period of time; also, means an equivalent continuous sound level.

"Commercial establishments" includes, but is not limited to, any nightclub, restaurant, sports bar, industrial, retail or business establishment or combination thereof.

"Construction equipment" means any tools, machinery or equipment used in connection with construction operations, including all types of "special construction" equipment as defined in the pertinent sections of the California Vehicle Code when used in the construction process on any construction site, home improvement site or property maintenance site, regardless of whether such site be located on-highway or off-highway.

"Cumulative period" means an additive period of time composed of individual time segments which may be continuous or interrupted.

"Decibel" means a unit measure of sound level noise.

"Disturbance" means any disturbance of the peace as defined by California Penal Code Section 415 or as otherwise defined herein.

"Disturbing, excessive or offensive noise" means any sound or noise from any source in excess of the sound level or noise level set forth in Section 7.04.030.

"Emergency machinery," "vehicle" or "work" means any machinery, vehicle or work used, employed or performed in an effort to protect, provide or restore safe conditions in the community or for the citizenry, or work by private or public utilities when restoring utility service.

"Fixed noise source" means a stationary device which creates sounds which are fixed or motionless including, but not limited to, industrial and commercial machinery and equipment, pumps, fans, compressors, generators, air conditioners and refrigeration equipment.

"Gathering" means any convergence of five or more persons.

"Impact noise" means the noise produced by the collision of one mass in motion with a second mass which may be either in motion or in rest.

"Noise level" means the same as "sound level." The terms may be used interchangeably herein.

"Peace officer" means a duly appointed officer of the city, as defined in California Penal Code, Sections 830, et seq.

"Person" means a person, firm, association, copartnership, joint venture, corporation or any entity, public or private in nature.

"Portable powered blower" means any mechanically powered device, regardless of the source of power, which is not stationary, and used for the purpose of blowing leaves, dirt or other debris off sidewalks, lawns or other surfaces.

"Premises" means any real property or location at which a gathering may be held.

"Sound level" (noise level) in decibels is the quantity measured using the frequency weighting of A of a sound level meter as defined herein.

"Sound level meter" means an instrument meeting American National Standard Institute's Standard SL. 4-1974 for type 1 or type 2 sound level meters or an instrument and the associated recording and analyzing equipment which will provide equivalent data.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.030 - Sound level limits as related to fixed noise sources.

A. Regardless of whether an objective measurement by sound level meter is involved, it shall be unlawful for any person to make, continue, or cause to be made or continued, within the city limits any disturbing excessive or offensive noise or vibration which causes discomfort or annoyance to any reasonable person of normal sensitivity residing in the area or that is plainly audible at a distance greater than fifty (50) feet from the sources point for any purpose. The following ten-minute average sound level limits, unless otherwise specifically indicated, shall apply as indicated in the following table as it relates to a fixed noise source or leaf blowers pursuant to Section 7.04.075.

Zone	Time	Applicable Ten-Minute Average Decibel Limit (A-weighted)
Residential—All zones	6:00 a.m. to 10:00 p.m. 10:00 p.m. to 6:00 a.m.	55 45

Commercial—All zones	6:00 a.m. to 10:00 p.m. 10:00 p.m. to 6:00 a.m.	65 55

B. If the measured ambient noise level exceeds the applicable limit as noted in the table in subsection (A) of this section, the allowable average sound level shall be the ambient noise level. The ambient noise level shall be measured when the alleged noise violation sources are not operating.

C. The sound level limit between two zoning districts shall be measured at the higher allowable district.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.040 - Prohibited noise generally.

A. It is unlawful for any person or property owner within the city of Coachella to make, cause, or continue to make or cause, loud, excessive, impulsive or intrusive sound or noise that annoys or disturbs persons of ordinary sensibilities.

B. The factors, standards, and conditions that may be considered in determining whether a violation of the provisions of this section has been committed, include, but are not limited to, the following:

1. The level of the noise;
2. The level and intensity of the background (ambient) noise, if any;
3. The proximity of the noise to residential or commercial sleeping areas;
4. The nature, density and zoning of the area within which the noise emanates;
5. The density of inhabitation of the area within which the noise emanates;
6. The time of day and night the noise occurs;
7. The duration of the noise;
8. Whether the nature of the noise is natural or unnatural;
9. Whether the noise is constant, recurrent or intermittent; and
10. Whether the noise is produced by a commercial or noncommercial activity.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.050 - Disturbing, excessive, offensive noises—Declaration of certain acts constituting.

The following activities, are declared to be deemed disturbing, excessive or offensive noises and any of the following shall constitute prima facie evidence of a violation:

A.

Horns, Signaling Devices, Muffler Systems, Car Alarms, Etc. Unnecessary use or operation of h signaling devices, uncontrolled muffler noises, car alarms on vehicles of all types, including motorcycles, and other equipment.

1. The operation of any such sound production or reproduction device, radio receiving set, musical instrument, drum, phonograph, television set, machine, loudspeaker and sound amplifier or similar machine or device in such a manner as to be plainly audible at a distance of fifty (50) feet or more from the building, structure or vehicle in which located, or from the source point.
2. The operation of any sound amplifier, which is part of, or connected to, any radio, stereo receiver, compact disc player, cassette tape player, or other similar device when operated in such a manner as to be plainly audible at a distance of fifty (50) feet from the source point or when operated in such a manner as to cause a person to be aware of vibration at a distance of fifty (50) feet or more from the source point.

B. Uses Restricted. The use, operation, or permitting to be played, used or operated, any sound production or reproduction device, radio receiving set, musical instrument, drums, phonograph, television set, loudspeakers and sound amplifiers or other machine or device for the producing or reproducing of sound in such a manner as to disturb the peace, quiet, and comfort of any reasonable person of normal sensitiveness.

C. Prima Facie Violations. Any of the following shall constitute evidence of a prima facie violation of this section:

1. The operation of any such sound production or reproduction device, radio receiving set, musical instrument, drum, phonograph, television set, machine, loudspeaker and sound amplifier or similar machine or device in such a manner as to be plainly audible at a distance of fifty (50) feet from the building, structure or vehicle in which located, or from the source point.
2. The operation of any sound amplifier, which is part of, or connected to, any radio, stereo receiver, compact disc player, cassette tape player, or other similar device when operated in such a manner as to be plainly audible at a distance of fifty (50) feet from the source point or when operated in such a manner as to cause a person to be aware of vibration at a distance of fifty (50) feet from the source point.

D. Enforcement of Prima Facie Violations. Any peace office, as defined in California Penal Code, Sections 830, et seq., and/or the city manager or his or her designees, who are authorized to enforce the provisions of this chapter and who encounters evidence of a prima facie violation of this section whereby the component(s) amplifying or transmitting the sound in such a manner as to disturb the peace, quiet, or comfort of any reasonable person of normal sensitivity in any area of the city shall be empowered to issue a citation and/or to confiscate and impound as evidence, any or all of the components amplifying or transmitting the sound.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.060 - Special provisions—Exemptions.

The following activities shall be exempted from the provisions of this chapter:

A. School bands, school athletic and school entertainment events;

B. Outdoor gatherings, public dances, shows and sporting and entertainment events; provided, the events are authorized by the city;

C. Activities conducted in public parks and public playgrounds;

D. Any mechanical device, apparatus or equipment used, related to or connected with emergency machinery, vehicle or work;

E. All mechanical devices, apparatus or equipment which are utilized for the protection or salvage of agricultural crops during periods of potential or actual frost damage or other adverse weather conditions;

F. Mobile noise sounds associated with agricultural operations provided such operations do not take place between the hours of 8:00 p.m. and 7:00 a.m. on weekdays, including Saturdays, or at any time on Sunday or a federal holiday;

G. Mobile noise sources associated with agricultural pest control through pesticide application;

H. Carillon chimes between the hours of 8:00 a.m. to 7:00 p.m.;

I. For noise sources associated with property maintenance, refer to Section 7.04.075, "property maintenance activities";

J. For noise sources associated with construction activities, refer to Section 7.04.070, "construction activities"; and

K. The provisions of this regulation shall not preclude the construction, operation, maintenance and repairs of equipment, apparatus or facilities of park and recreation departments, public work projects or essential public services and facilities, including those of public utilities subject to the regulatory jurisdiction of the California Public Utilities Commission.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.070 - Construction activities.

No person shall perform, nor shall any person be employed, nor shall any person cause any other person to be employed to work for which a building permit is required by the city in any work of construction, erection, demolition, alteration, repair, addition to or improvement of any building, structure, road or improvement to realty except between the hours as set forth as follows:

October 1st through April 30th

Monday—Friday: 6:00 a.m. to 5:30 p.m.

Saturday: 8:00 a.m. to 5:00 p.m.

Sunday: 8:00 a.m. to 5:00 p.m.

Holidays: 8:00 a.m. to 5:00 p.m.

May 1st through September 30th

Monday—Friday: 5:00 a.m. to 7:00 p.m.

Saturday: 8:00 a.m. to 5:00 p.m.

Sunday: 8:00 a.m. to 5:00 p.m.

Holidays: 8:00 a.m. to 5:00 p.m.

Emergency work and/or unusual conditions may cause work to be permitted with the consent of the city manager, or his or her designee, upon recommendation of the building director or the city engineer.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.075 - Property maintenance activities.

A. Noise sources associated with property maintenance activity and all portable blowers, lawnmowers, edgers or similar devices shall be prohibited except during the following hours:

October 1st through April 30th

Monday—Sunday: 9:00 a.m. to 5:30 p.m.

Holidays: Not allowed.

May 1st through September 30th

Monday—Friday: 8:00 a.m. to 5:30 p.m.

Saturday and Sunday: 9:00 a.m. to 5:30 p.m.

Holidays: Not allowed.

Notwithstanding the hours of permitted operations, such equipment that constitutes a public nuisance may be abated as otherwise provided in this Code.

B. No person shall willfully make or continue, or willfully cause to be made or continued, any noise from any portable powered blower at a level which exceeds seventy (70) decibels dBA measured at the midpoint of a wall area twenty (20) feet long and ten (10) feet high and at the horizontal distance fifty (50) feet away from the midpoint of the wall, or not more than seventy-six (76) decibels dBA at a horizontal distance of twenty-four (24) feet using a sound level meter.

C. No portable powered blower shall be operated in a manner which will permit dirt, dust, debris, lea grass clippings, cuttings, or trimmings from trees or shrubs to be blown or deposited onto neighboring property or public right-of-way. All waste shall be removed and disposed of in a sanitary manner by the use or property occupant.

D. Leaf blowers shall not be operated within a horizontal distance of ten (10) feet of any operable window, door, or mechanical air intake opening or duct.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.080 - Schools, hospitals and churches—Special provisions.

It is unlawful for any person to create any noise which causes the noise level at any school, hospital or church while the same is in use, to exceed the noise limits, as specified in subsection (A) of Section 7.04.030, prescribed for the assigned noise zone in which the school, hospital or church is located, or which noise level unreasonably disturbs or annoys patients in the hospital.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.090 - Air conditioning, refrigeration and pool equipment.

The noise standards enumerated in Section 7.04.030 shall be increased by eight dBA when the alleged offensive noise source is an air conditioning or refrigeration system or associated equipment which was installed prior to the effective date of the ordinance codified in this chapter. Installation of new equipment must be certified to be within the provisions of this chapter. Installation of new equipment must be certified to be within the provisions of this chapter for night and day operation noise level.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.100 - Noise level measurement.

A. The location selected for measuring exterior noise levels between residential properties shall be at the property line of the affected residential property. Affected residential property shall be the address from which the complaint was received. Interior noise measurement shall be made within the affected residential unit. The measurement shall be made at a point at least four feet from the wall, ceiling or floor nearest the noise source.

The location selected for measuring exterior noise levels between nonresidential properties shall be at the property line of the affected property.

B. The location selected for measuring exterior noise levels between two zoning districts shall be at the boundary of the two districts.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.110 - Interference with authorized personnel is prohibited.

No person shall interfere with, oppose or resist any authorized person charged with enforcement of this chapter while such person is engaged in the performance of his duty.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.120 - Pre-existing noise source—Time extension.

Those commercial and/or industrial noise sources in existence prior to the date of adoption of the ordinance codified in this chapter, which noise sources are an integral part of a building, structure or similar fixed and permanent installation if in compliance with local zoning structures, shall be granted a three-year period from the date of adoption with which to comply with the provisions of the chapter. If, at the end of the three-year period, it can be shown that compliance with the provisions herein constitutes a hardship in terms of technical and economic feasibility, the time to comply may be extended on an annual basis until such time as compliance may be affected.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.130 - Violation—Infractions.

Any person violating any of the provisions of this chapter shall be deemed guilty of an infraction.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.140 - Continuing or subsequent violations—Misdemeanor.

Any person having been convicted of a violation of any provisions of this chapter who thereafter commits a violation of the same provisions of this chapter shall be guilty of a misdemeanor.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

7.04.150 - Severability.

If any provision of this chapter is held to be unconstitutional or otherwise invalid by any court of competent jurisdiction, the remaining provisions of this chapter shall not be invalidated.

(Ord. No. 1022, § 1, 11-17-10; Ord. No. 1024, 11-17-10)

Chapter 7.05 - MULTIPLE RESPONSES TO LOUD OR UNRULY PARTIES, GATHERINGS OR OTHER SIMILAR EVENTS

7.05.010 - Declaration of findings and policy.

It is hereby found and declared that:

A. Due to inadequate supervision, some large gatherings of people, such as parties, frequently become loud and unruly to the point that they constitute a threat to the peace, health, safety, or general welfare of the public as a result of conduct such as one or more of the following: excessive noise, excessive traffic, obstruction of public streets or crowds who have spilled over into public streets, public drunkenness, the service of alcohol to minors, fights, disturbances of the peace, and litter.

B. The city of Coachella is required to make multiple responses to such unruly gatherings in order to restore and maintain the peace and protect public safety. Such gatherings are a burden on scarce city resources and can result in police responses to regular and emergency calls being delayed and police protection to the rest of the city being reduced.

C. In order to discourage the occurrence of repeated loud and unruly gatherings, the persons responsible for the public nuisance created by these gatherings should be fined.

(Ord. No. 1023, § 1, 11-17-10; Ord. No. 1025, 11-17-10)

7.05.020 - Loud or unruly gatherings—Public nuisance.

It shall be unlawful and a public nuisance to conduct a gathering of ten (10) or more persons on any private property in a manner which constitutes a substantial disturbance of the quiet enjoyment of private or public property in a significant segment of a neighborhood, as a result of conduct constituting a violation of law. Illustrative of such unlawful conduct is excessive noise or traffic, obstruction of public streets by crowds or vehicles, public drunkenness, the service of alcohol to minors, fights, disturbances of the peace, litter. A gathering constituting a public nuisance may be abated by the city by all reasonable means including, but not limited to, an order requiring the gathering to be disbanded and citation and/or arrest of any law violators under any applicable local laws and state statutes.

(Ord. No. 1023, § 1, 11-17-10; Ord. No. 1025, 11-17-10)

7.05.030 - Notice of unruly gatherings—Posting, mail.

A. When the city intervenes at a gathering which constitutes a public nuisance under this chapter, the premises at which such nuisance occurred shall be posted with a notice substantially in the form attached hereto as Exhibit "A" stating that a public nuisance under this chapter was caused by a gathering at the premises, the date and time of the police intervention, and that any subsequent or second police intervention with respect to a nuisance under this chapter at said premises, including a second intervention that same day or night, within sixty (60) days of the first intervention, shall result in the joint and several liability of any guests causing the public nuisance, persons who are residents or in control of the property at which the public nuisance occurred, persons who sponsored the gathering constituting the public nuisance, and owners of the premises as more fully set forth in Sections

7.05.040—7.05.060, below. The residents and persons in control of such property, and the sponsor of the event, shall be responsible for ensuring that such notice is not removed or defaced and shall be liable for a civil penalty of one hundred dollars ($100.00) in addition to any other penalties which may be due under this chapter, if such notice is removed or defaced, provided, however, that the residents of the premises or sponsor of the event, if present, shall be consulted as to the location in which such notice is posted in order to achieve both the security of the notice and its prominent display. The notice shall remain posted for the entire 60-day period.

B. Notice of the police intervention shall also be mailed to any property owner at the address shown on the city's property tax assessment records and shall advise the property owner that any subsequent gathering resulting in a public nuisance within sixty (60) days on the same premises necessitating city intervention shall result in liability of the property owner for all penalties associated with such intervention as more particularly set forth below.

EXHIBIT A

IMPORTANT NOTICE REGARDING

PUBLIC NUISANCE

NOTICE IS HEREBY GIVEN THAT, pursuant to Coachella Municipal Code (CMC) Chapter 7.05, on:

Date: _____/_____/_____, 20_____, at _____ a.m./p.m.

The Coachella Police Department found that a gathering, at the below-listed premises caused a public nuisance as defined by CMC Chapter 7.05 (e.g., disturbance of the peace, threat to public safety, etc.):

Address: _____, Coachella, California.

WARNING

IF THE POLICE RESPOND TO ANOTHER DISTURBANCE CONSTITUTING A NUISANCE (AS DEFINED BY CMC CHAPTER 7.05) AT THE ABOVE PREMISES WITHIN 60 DAYS OF THIS NOTICE, INCLUDING BUT NOT LIMITED TO A DISTURBANCE LATER TODAY OR TONIGHT, A SUBSEQUENT RESPONSE FEE WILL BE IMPOSED UPON:

1. ALL GUESTS CAUSING THE NUISANCE;
2. ALL SPONSORS OF THE GATHERING;
3. ALL RESIDENTS OF THE PREMISES;
4. ALL PERSONS IN CONTROL OF THE PREMISES; AND
5. ALL OWNERS OF THE PREMISES THAT RESIDE ON OR ADJACENT TO THE PREMISES, OR ARE PRESENT AT THE PREMISES WHEN THIS NOTICE IS FIRST POSTED.

Property owners who do not reside on or adjacent to the above premises, and who are not present when this Notice is first posted, are also jointly and severally liable for said fee, if the next disturbance occurs after two weeks after this Notice is mailed to said owner.

THIS NOTICE MUST REMAIN POSTED ON THE PREMISES FOR 60 DAYS

$100 FINE FOR UNAUTHORIZED REMOVAL OF THIS NOTICE

_____

(Name and Signature of the Officer Issuing This Notice)

_____

(Officer's Phone Number)

Date: _____

Case Number: _____

(Ord. No. 1023, § 1, 11-17-10; Ord. No. 1025, 11-17-10)

7.05.040 - Persons liable for subsequent response to a gathering constituting a public nuisance.

If the city is required to intervene as to a gathering constituting a public nuisance on the same premises more than once in any 60-day period, including a second intervention during the same day or night as the first intervention, the following persons shall be jointly and severally liable for civil penalties as set forth in Section 7.05.050, below, in addition to liability for any injuries to city personnel or damage to city property.

A. The person or persons who own the premises where the gathering constituting a public nuisance took place if any of the following are the case:
   (1) Said owner resides on or adjacent to the premises;
   (2) Said owner was present when the notice described in Exhibit "A" was first posted; or
   (3) The notice described in Exhibit "A" was mailed to said owner and fourteen (14) days have elapsed since the date of said mailing.

For purposes of this subsection, where a gathering takes place within the confines of a single unit in a building owned by a housing cooperative, the owner of the property shall be deemed to be the owner of the single unit and not the members of the housing cooperative in general. Where the gathering took place in the common area of a building owned by a housing cooperative, only the members of the cooperative owning units in the building where the gathering took place shall be deemed the owners of the property for purposes of this subsection. Other members of the housing cooperative may still be liable if they fall within the categories of person made liable by Section 7.05.040, subsections (B), (C), or (D), below.

B. The person or persons residing on or otherwise in control of the property where such gathering took place.
C. The person or persons who organized or sponsored such gathering.
D. All persons attending such gathering who engaged in any activity resulting in the public nuisanc

E. Nothing in this section shall be construed to impose liability on the resident or owners of the premises or sponsor of the gathering, for the conduct of persons who are present without the express or implied consent of the resident or sponsor, as long as the resident and sponsor have taken all steps reasonably necessary to exclude such uninvited participants from the premises. Where an invited guest engages in conduct which the sponsor or resident could not reasonably foresee and the conduct is an isolated instance of a guest at the event violating the law which the sponsor is unable to reasonably control without the intervention of the police, the unlawful conduct of the individual guest shall not be attributable to the sponsor, owner, or resident for the purposes of determining whether the event constitutes a public nuisance under this section.

F. There shall be no liability for civil penalties under this chapter for a subsequent intervention during the same day or night as the prior intervention, unless a reasonable time has been provided to abate the public nuisance, taking into account the size of the gathering, the time of day, and other relevant factors.

G. There shall be no liability for civil penalties under this chapter for a second response during the same day or night as the first response when a person who would otherwise be liable under subsection (A) seeks assistance from the police department to abate a public nuisance under this chapter, and the person cooperates fully with the police while taking reasonable action to abate the public nuisance.

H. If the city is required to intervene at a gathering constituting a public nuisance on the same premises more than once in any 60-day period, excluding a second intervention during the same day or night as the first intervention, the 60-day period shall be extended by another sixty (60) days from the date of the second intervention.

(Ord. No. 1023, § 1, 11-17-10; Ord. No. 1025, 11-17-10)

7.05.050 - Recovery of subsequent response fee.

A. After given proper notice pursuant to Section 7.05.030 and a reasonable opportunity to abate a gathering constituting a public nuisance, a subsequent response fee shall be assessed against all persons liable for the city's intervention. The subsequent response fee shall include:

1. The actual cost to the city of law enforcement services incurred as a result of a subsequent response;
2. The actual cost of any medical treatment required by a police officer for injuries sustained during a subsequent response; and
3. The cost of repairing or replacing any city equipment or property damaged or destroyed during a subsequent response.

B. Except as provided in subsection (A) of this section, the subsequent response fee shall not exceed one thousand dollars ($1,000.00) for any subsequent response.

C.

The remedies set forth in this chapter shall be in addition to any other penalties imposed by law for particular violations of law committed during the course of an event which is a public nuisance under this chapter, provided however, that if the only violation of law which constituted the public nuisance under this chapter is excessive noise, the remedies provided under this chapter shall be exclusive of any other remedies provided by law to the city for such excessive noise.

D. The city shall bill all persons liable for subsequent response fees by mail by sending a letter in substantially the form attached hereto as Exhibit "B." Payment of the fees shall be due within thirty (30) days of the date the bill is deposited in the mail. If full payment is not received within the required time for payment, the bill will be delinquent, and all persons liable for the fees shall be charged interest at the maximum legal rate from the date the payment period expires and a further civil penalty in the amount of one hundred dollars ($100.00).

EXHIBIT B

Date:

To:

Dear:

The City of Coachella was required to abate the public nuisance caused by a gathering of 10 or more persons at (location of property), which substantially disrupted the quiet enjoyment of property in a significant segment of the adjacent neighborhood. This is the (second/third/fourth, etc.) such public nuisance at this property within the last 60 days, and thus, a fee of _____/_____/_____ is imposed on you. If you fail to remit this fine to the City of Coachella by (30 days from the date of this notification) you will be liable for an additional $100 penalty, plus interest. The payment should be remitted to the address listed below. Your liability is based on the fact that you were:

[ ] An owner of the property to whom was sent prior notice of a public nuisance at the property within the previous 60 days; and/or

[ ] An owner of the property who resided on or adjacent to the property when the public nuisance took place; and/or

[ ] An owner of the property who was present when a Notice of a public nuisance was first posted at the property; and/or

[ ] A person who resided on or was otherwise in control of the property when the public nuisance took place there; and/or

[ ] A person who organized or sponsored the event that created the public nuisance at such property; and/or

[ ] A person who attended the event constituting the public nuisance at such property and engaged in conduct which resulted in the public nuisance.

If you believe that you are not liable you may defend this claim in the civil action which the City of Coachella will file against you upon your failure to remit the fee. You should be aware, however, that if you fail to prevail in that action you will be liable for the additional penalty of $100 and interest on the total fee.

Sincerely yours,

(Name, title, address and phone number of signatory)

(Ord. No. 1023, § 1, 11-17-10; Ord. No. 1025, 11-17-10)

7.05.060 - Collection of delinquent costs for a subsequent city response.

The penalties assessed as a result of a subsequent city response to a loud or unruly gathering shall constitute a debt of all persons liable for the penalties in favor of the city and may be collected in any manner authorized by law and are recoverable in a civil action filed by the city in a court of competent jurisdiction. The remedies provided by this chapter are in addition to all other civil and criminal remedies available to the city with respect to the unlawful conduct constituting the public nuisance which gave rise to the need for the city response under this chapter.

(Ord. No. 1023, § 1, 11-17-10; Ord. No. 1025, 11-17-10)

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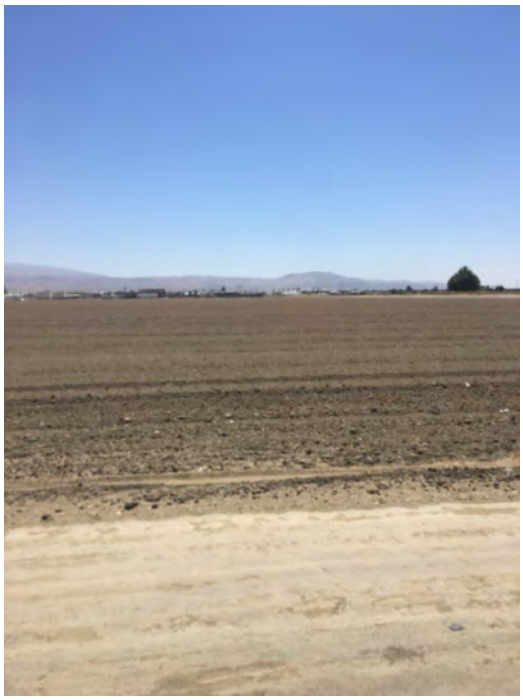
APPENDIX 5.1:

STUDY AREA PHOTOS

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15967 - Armtec Master Plan

15967_L1_East



15967_L1_North



15967_L1_South



15967_L1_West



15967 - Armtec Master Plan

15967_L2_East



15967_L2_North



15967_L2_South



15967_L2_West



15967 - Armtec Master Plan

15967_L3_East



15967_L3_North



15967_L3_South



15967_L3_West



15967 - Armtec Master Plan

15967_L4_East



15967_L4_North



15967_L4_South



15967_L4_West



15967 - Armtec Master Plan

15967_L5_East



15967_L5_North



15967_L5_South



15967_L5_West



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APPENDIX 5.2:

NOISE LEVEL MEASUREMENT WORKSHEETS

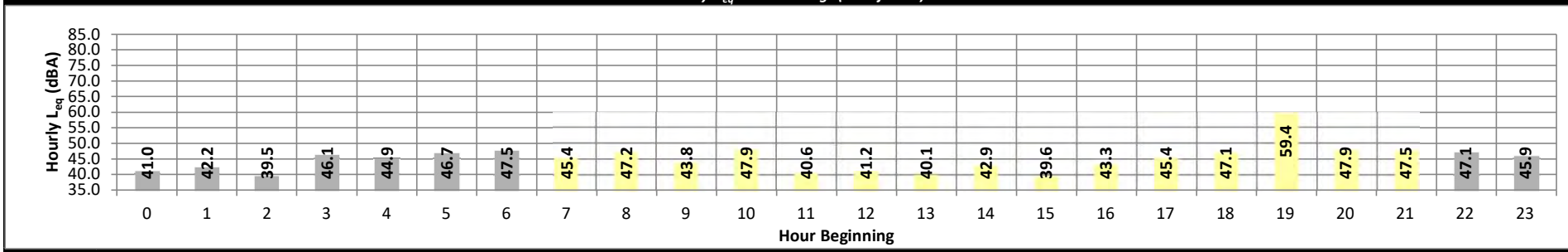
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24-Hour Noise Level Measurement Summary

Date: Thursday, June 13, 2024 *Location:* L1 - Located west of the site near the residence at 53330 *Meter:* Piccolo II *JN:* 15967

Project: Armtec Master Plan *Source:* Shady Ln. *Analyst:* N. Johnson

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	41.0	44.3	39.1	43.8	43.5	42.8	42.5	41.4	40.7	39.6	39.4	39.2	41.0	10.0	51.0
	1	42.2	45.5	39.4	45.2	44.8	44.3	44.0	42.9	42.1	40.0	39.9	39.5	42.2	10.0	52.2
	2	39.5	47.1	36.6	46.8	46.3	44.3	42.8	38.9	38.0	37.1	36.9	36.7	39.5	10.0	49.5
	3	46.1	48.6	43.2	48.4	48.2	47.8	47.6	46.8	46.1	44.0	43.7	43.3	46.1	10.0	56.1
	4	44.9	47.5	43.1	47.2	47.0	46.5	46.2	45.3	44.6	43.7	43.5	43.2	44.9	10.0	54.9
	5	46.7	50.4	44.9	49.9	49.5	48.6	48.2	47.1	46.3	45.4	45.2	45.0	46.7	10.0	56.7
	6	47.5	51.9	45.3	51.4	50.9	50.3	49.9	47.9	46.9	45.8	45.6	45.4	47.5	10.0	57.5
Day	7	45.4	51.2	41.5	50.8	50.5	49.8	49.0	45.7	43.8	42.2	41.9	41.6	45.4	0.0	45.4
	8	47.2	56.6	38.1	55.6	54.8	53.2	52.3	47.8	42.5	38.9	38.6	38.3	47.2	0.0	47.2
	9	43.8	51.2	36.6	50.8	50.4	49.3	48.5	44.1	41.3	37.8	37.3	36.8	43.8	0.0	43.8
	10	47.9	56.4	37.5	55.9	55.4	54.3	53.4	48.5	43.3	38.6	38.1	37.7	47.9	0.0	47.9
	11	40.6	46.9	36.5	46.5	46.1	45.0	43.9	41.3	39.1	37.2	37.0	36.7	40.6	0.0	40.6
	12	41.2	48.0	37.6	47.4	46.6	44.9	44.1	41.7	40.1	38.3	38.0	37.7	41.2	0.0	41.2
	13	40.1	45.2	37.1	44.7	44.1	42.9	42.3	40.6	39.5	37.9	37.5	37.2	40.1	0.0	40.1
	14	42.9	49.0	38.4	48.4	47.9	46.9	46.3	44.0	41.5	39.3	38.9	38.6	42.9	0.0	42.9
	15	39.6	45.6	36.9	45.0	44.2	43.2	42.6	39.8	38.6	37.5	37.3	37.0	39.6	0.0	39.6
	16	43.3	49.6	39.5	49.1	48.4	47.2	46.4	44.0	42.2	40.2	40.0	39.7	43.3	0.0	43.3
	17	45.4	50.3	42.4	49.5	49.0	48.0	47.5	46.0	44.8	43.2	42.9	42.5	45.4	0.0	45.4
	18	47.1	51.3	44.0	51.0	50.6	49.9	49.4	47.8	46.5	44.9	44.5	44.2	47.1	0.0	47.1
	19	59.4	73.9	43.5	73.4	72.1	66.8	61.6	49.0	46.1	44.2	43.9	43.6	59.4	5.0	64.4
	20	47.9	53.6	44.8	53.1	52.4	50.8	49.9	48.4	47.2	45.5	45.2	44.9	47.9	5.0	52.9
	21	47.5	52.6	44.3	52.1	51.5	50.4	49.8	48.2	46.9	45.1	44.8	44.4	47.5	5.0	52.5
Night	22	47.1	52.8	44.0	52.4	52.1	50.6	49.5	47.5	46.3	44.7	44.4	44.1	47.1	10.0	57.1
	23	45.9	50.9	42.6	50.5	50.0	49.0	48.4	46.5	45.1	43.3	43.0	42.7	45.9	10.0	55.9

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	39.6	45.2	36.5	44.7	44.1	42.9	42.3	39.8	38.6	37.2	37.0	36.7
	Max	59.4	73.9	44.8	73.4	72.1	66.8	61.6	49.0	47.2	45.5	45.2	44.9
Energy Average		49.5	Average:		51.6	50.9	49.5	48.5	45.1	42.9	40.7	40.4	40.0
Night	Min	39.5	44.3	36.6	43.8	43.5	42.8	42.5	38.9	38.0	37.1	36.9	36.7
	Max	47.5	52.8	45.3	52.4	52.1	50.6	49.9	47.9	46.9	45.8	45.6	45.4
Energy Average		45.3	Average:		48.4	48.0	47.1	46.5	44.9	44.0	42.6	42.4	42.1

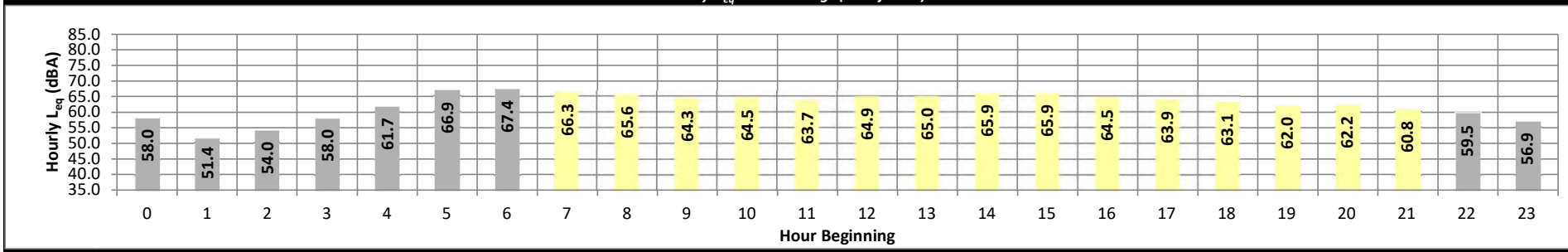
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
54.3	**49.5**	**45.3**

24-Hour Noise Level Measurement Summary

Date: Thursday, June 13, 2024 *Location:* L2 - Located south of the site near the residence at 85755 *Meter:* Piccolo II *JN:* 15967

Project: Armtec Master Plan *Source:* Avenue 54 *Analyst:* N. Johnson

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	*Hour*	*L_{eq}*	*L_{max}*	*L_{min}*	*L1%*	*L2%*	*L5%*	*L8%*	*L25%*	*L50%*	*L90%*	*L95%*	*L99%*	*L_{eq}*	*Adj.*	*Adj. L_{eq}*
Night	0	58.0	70.0	41.0	69.7	69.1	66.4	63.2	54.2	44.3	41.6	41.4	41.1	58.0	10.0	68.0
	1	51.4	62.8	41.3	62.6	62.1	59.7	57.0	47.1	43.9	42.1	41.9	41.5	51.4	10.0	61.4
	2	54.0	66.5	40.0	66.3	65.8	62.5	59.2	45.9	41.9	40.7	40.5	40.2	54.0	10.0	64.0
	3	58.0	70.7	44.3	70.4	69.6	66.3	62.9	50.7	46.7	45.1	44.8	44.5	58.0	10.0	68.0
	4	61.7	72.3	47.5	72.0	71.5	69.2	67.5	60.3	53.7	48.8	48.3	47.8	61.7	10.0	71.7
	5	66.9	77.0	53.7	76.6	75.7	73.8	72.4	67.0	61.0	55.6	54.9	54.0	66.9	10.0	76.9
	6	67.4	77.2	52.1	76.8	76.3	74.1	72.7	67.8	61.6	53.8	52.9	52.3	67.4	10.0	77.4
Day	7	66.3	76.1	48.2	75.8	75.2	73.4	71.9	66.6	60.1	50.5	49.2	48.4	66.3	0.0	66.3
	8	65.6	77.6	44.5	77.1	76.0	72.6	70.7	64.5	56.3	46.7	45.7	44.8	65.6	0.0	65.6
	9	64.3	75.5	43.1	75.2	74.5	71.7	69.9	63.0	55.4	46.3	44.6	43.5	64.3	0.0	64.3
	10	64.5	74.9	44.6	74.6	74.0	71.9	70.2	64.1	56.2	47.0	46.0	44.9	64.5	0.0	64.5
	11	63.7	74.5	41.5	74.2	73.6	71.2	69.4	62.9	53.6	43.5	42.8	41.9	63.7	0.0	63.7
	12	64.9	75.7	44.2	75.4	74.8	72.2	70.5	64.2	56.3	46.6	45.6	44.5	64.9	0.0	64.9
	13	65.0	75.9	44.3	75.6	75.0	72.2	70.3	64.4	56.1	46.2	45.2	44.5	65.0	0.0	65.0
	14	65.9	76.6	45.8	76.1	75.1	72.4	70.8	66.4	60.0	48.5	47.1	46.1	65.9	0.0	65.9
	15	65.9	75.8	43.2	75.6	75.0	72.6	70.9	66.6	60.4	46.7	44.8	43.5	65.9	0.0	65.9
	16	64.5	74.2	45.6	73.9	73.2	71.1	70.1	65.1	58.6	48.0	46.8	45.9	64.5	0.0	64.5
	17	63.9	74.8	50.0	74.3	73.4	70.6	68.8	63.7	58.8	52.5	51.4	50.4	63.9	0.0	63.9
	18	63.1	73.5	51.4	73.0	72.2	69.3	67.4	63.1	59.3	53.8	52.9	51.8	63.1	0.0	63.1
	19	62.0	73.5	49.5	72.9	71.8	68.5	66.7	61.0	56.7	51.7	50.8	49.8	62.0	5.0	67.0
	20	62.2	72.6	51.4	72.1	71.2	68.5	66.6	62.1	58.4	53.5	52.7	51.6	62.2	5.0	67.2
	21	60.8	70.6	50.5	70.3	69.6	67.3	65.4	60.7	57.1	52.6	51.7	50.7	60.8	5.0	65.8
Night	22	59.5	70.1	48.7	69.8	69.3	67.0	64.9	58.0	54.2	50.3	49.6	48.9	59.5	10.0	69.5
	23	56.9	68.1	46.8	67.8	67.1	64.2	61.8	54.8	51.3	48.0	47.5	46.9	56.9	10.0	66.9

Timeframe	*Hour*	*L_{eq}*	*L_{max}*	*L_{min}*	*L1%*	*L2%*	*L5%*	*L8%*	*L25%*	*L50%*	*L90%*	*L95%*	*L99%*
Day	Min	60.8	70.6	41.5	70.3	69.6	67.3	65.4	60.7	53.6	43.5	42.8	41.9
	Max	66.3	77.6	51.4	77.1	76.0	73.4	71.9	66.6	60.4	53.8	52.9	51.8
Energy Average		64.4	Average:		74.4	73.6	71.0	69.3	63.9	57.5	48.9	47.8	46.8
Night	Min	51.4	62.8	40.0	62.6	62.1	59.7	57.0	45.9	41.9	40.7	40.5	40.2
	Max	67.4	77.2	53.7	76.8	76.3	74.1	72.7	67.8	61.6	55.6	54.9	54.0
Energy Average		62.2	Average:		70.2	69.6	67.0	64.6	56.2	51.0	47.3	46.9	46.4

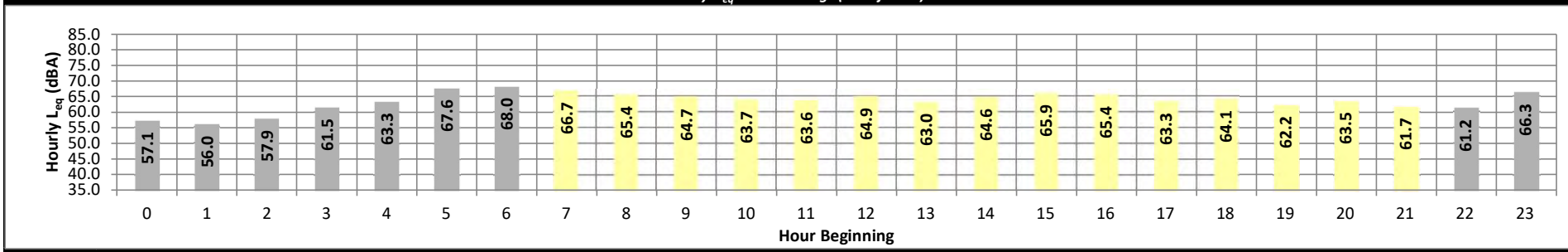
24-Hour CNEL	*Leq (dBA) Daytime (7am-10pm)*	*Leq (dBA) Nighttime (10pm-7am)*
69.2	**64.4**	**62.2**

24-Hour Noise Level Measurement Summary

Date: Thursday, June 13, 2024 *Location:* L3 - Located east of the site near the residence at 53460 Tyler *Meter:* Piccolo II *JN:* 15967

Project: Armtec Master Plan *Source:* St. *Analyst:* N. Johnson

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	57.1	68.0	52.0	67.6	66.8	63.8	61.4	54.4	53.0	52.4	52.3	52.1	57.1	10.0	67.1
	1	56.0	66.5	51.7	66.0	65.1	62.4	59.9	53.8	52.6	52.0	51.9	51.8	56.0	10.0	66.0
	2	57.9	69.6	52.6	69.2	68.1	64.7	61.5	54.7	53.7	52.9	52.8	52.6	57.9	10.0	67.9
	3	61.5	72.4	57.2	72.1	71.1	67.9	65.0	59.2	58.4	57.6	57.4	57.2	61.5	10.0	71.5
	4	63.3	74.2	57.7	73.7	72.7	69.6	67.4	61.8	59.5	58.1	57.9	57.8	63.3	10.0	73.3
	5	67.6	78.1	59.7	77.5	76.5	73.8	72.2	67.1	63.1	60.4	60.1	59.8	67.6	10.0	77.6
	6	68.0	78.4	60.1	77.9	77.1	74.6	72.9	67.5	63.0	60.6	60.3	60.1	68.0	10.0	78.0
Day	7	66.7	76.6	59.4	76.1	75.2	73.1	71.6	66.5	62.2	59.9	59.7	59.5	66.7	0.0	66.7
	8	65.4	75.8	58.4	75.4	74.6	72.3	70.4	64.2	60.5	58.9	58.7	58.5	65.4	0.0	65.4
	9	64.7	75.3	57.6	74.9	74.0	71.2	69.4	63.6	59.9	58.1	57.9	57.7	64.7	0.0	64.7
	10	63.7	74.5	55.4	74.1	73.2	70.7	69.1	62.2	57.7	55.9	55.7	55.5	63.7	0.0	63.7
	11	63.6	75.0	53.2	74.5	73.6	71.0	69.2	61.5	55.8	53.9	53.6	53.3	63.6	0.0	63.6
	12	64.9	77.3	51.9	76.8	75.8	72.4	70.0	61.7	55.4	52.6	52.3	52.0	64.9	0.0	64.9
	13	63.0	74.1	50.8	73.7	72.7	70.3	68.8	61.6	54.5	51.5	51.2	50.9	63.0	0.0	63.0
	14	64.6	75.0	48.8	74.5	73.6	71.2	69.8	65.0	58.7	50.1	49.4	48.9	64.6	0.0	64.6
	15	65.9	76.6	48.5	76.2	75.5	73.2	71.4	65.5	58.3	50.0	49.3	48.7	65.9	0.0	65.9
	16	65.4	76.1	53.8	75.5	74.6	71.9	70.4	65.3	59.9	54.8	54.3	54.0	65.4	0.0	65.4
	17	63.3	72.8	55.0	72.3	71.5	69.4	68.0	63.4	59.4	55.9	55.5	55.1	63.3	0.0	63.3
	18	64.1	74.5	55.1	74.0	73.1	70.6	68.7	63.7	60.0	56.3	55.8	55.2	64.1	0.0	64.1
	19	62.2	72.2	54.0	71.6	70.6	68.3	66.9	62.0	58.5	55.2	54.7	54.2	62.2	5.0	67.2
	20	63.5	74.3	54.2	73.8	73.1	69.7	67.6	62.7	59.5	55.7	55.0	54.3	63.5	5.0	68.5
	21	61.7	70.4	54.7	69.9	69.1	67.2	66.0	62.1	59.2	55.9	55.4	54.8	61.7	5.0	66.7
Night	22	61.2	70.9	54.5	70.4	69.7	67.4	65.8	60.1	57.4	55.3	54.9	54.6	61.2	10.0	71.2
	23	66.3	79.9	52.5	79.3	77.8	75.5	68.2	59.2	55.1	53.2	52.9	52.6	66.3	10.0	76.3

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	61.7	70.4	48.5	69.9	69.1	67.2	66.0	61.5	54.5	50.0	49.3	48.7
	Max	66.7	77.3	59.4	76.8	75.8	73.2	71.6	66.5	62.2	59.9	59.7	59.5
Energy Average		64.4	Average:		74.2	73.3	70.8	69.1	63.4	58.6	55.0	54.6	54.2
Night	Min	56.0	66.5	51.7	66.0	65.1	62.4	59.9	53.8	52.6	52.0	51.9	51.8
	Max	68.0	79.9	60.1	79.3	77.8	75.5	72.9	67.5	63.1	60.6	60.3	60.1
Energy Average		64.0	Average:		72.6	71.7	68.9	66.0	59.8	57.3	55.8	55.6	55.4

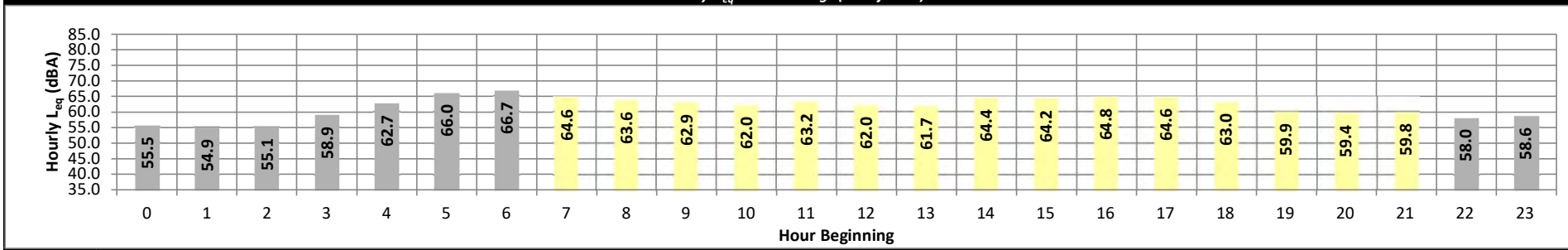
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
70.7	**64.4**	**64.0**

24-Hour Noise Level Measurement Summary

Date: Thursday, June 13, 2024 *Location:* L4 - Located east of the site near the residences at 53450 Tyler *Meter:* Piccolo II *JN:* 15967

Project: Armtec Master Plan *Source:* St. *Analyst:* N. Johnson

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	55.5	67.4	47.1	67.0	66.3	63.1	60.1	52.0	49.1	47.8	47.6	47.2	55.5	10.0	65.5
	1	54.9	66.0	47.2	65.7	65.0	62.2	60.0	52.0	49.2	47.6	47.5	47.3	54.9	10.0	64.9
	2	55.1	67.4	46.4	67.1	66.3	62.8	59.5	50.3	48.0	46.9	46.7	46.5	55.1	10.0	65.1
	3	58.9	70.3	52.5	69.9	68.8	65.1	62.2	57.3	55.0	53.0	52.8	52.6	58.9	10.0	68.9
	4	62.7	73.6	53.9	73.3	72.5	69.6	67.4	61.1	57.6	54.6	54.3	54.0	62.7	10.0	72.7
	5	66.0	76.1	55.9	75.6	74.8	72.5	71.1	65.8	61.4	56.8	56.3	56.0	66.0	10.0	76.0
	6	66.7	77.0	56.2	76.6	75.8	73.3	71.8	66.5	61.7	57.1	56.7	56.3	66.7	10.0	76.7
Day	7	64.6	74.7	52.3	74.3	73.5	71.5	70.1	64.5	58.1	53.1	52.7	52.4	64.6	0.0	64.6
	8	63.6	74.3	50.2	74.0	73.2	70.9	69.3	62.5	55.8	51.1	50.7	50.3	63.6	0.0	63.6
	9	62.9	74.4	49.8	73.9	73.0	69.7	68.0	61.9	55.8	50.9	50.4	49.9	62.9	0.0	62.9
	10	62.0	72.8	48.5	72.4	71.6	69.3	67.8	61.1	54.2	49.4	49.0	48.6	62.0	0.0	62.0
	11	63.2	74.8	48.7	74.5	73.7	71.0	68.7	60.6	53.6	49.6	49.2	48.8	63.2	0.0	63.2
	12	62.0	73.1	49.3	72.7	71.8	69.4	67.5	60.9	53.9	50.0	49.7	49.4	62.0	0.0	62.0
	13	61.7	72.9	46.6	72.5	71.6	69.2	67.5	60.4	51.8	47.5	47.1	46.7	61.7	0.0	61.7
	14	64.4	75.3	46.2	74.9	74.0	71.1	69.4	64.4	57.5	48.2	47.2	46.4	64.4	0.0	64.4
	15	64.2	74.4	46.8	73.9	73.2	71.0	69.6	64.6	57.6	48.4	47.5	47.0	64.2	0.0	64.2
	16	64.8	74.7	49.0	74.3	73.6	71.1	69.8	65.5	59.4	50.7	49.9	49.2	64.8	0.0	64.8
	17	64.6	73.6	51.7	73.3	72.7	70.9	69.9	65.4	59.9	53.7	53.0	52.0	64.6	0.0	64.6
	18	63.0	74.1	51.6	73.4	72.3	69.4	67.9	62.5	57.5	52.8	52.3	51.7	63.0	0.0	63.0
	19	59.9	71.4	48.2	70.8	69.8	66.8	65.0	58.6	53.8	49.2	48.8	48.3	59.9	5.0	64.9
	20	59.4	70.8	49.5	70.3	69.1	65.9	64.1	58.4	53.8	50.5	50.1	49.7	59.4	5.0	64.4
	21	59.8	71.6	50.2	71.2	70.2	66.7	64.1	58.0	54.2	51.2	50.8	50.3	59.8	5.0	64.8
Night	22	58.0	70.2	49.4	69.6	68.5	64.5	62.0	55.4	52.5	50.4	50.0	49.6	58.0	10.0	68.0
	23	58.6	71.0	48.3	70.3	69.2	65.9	64.2	55.2	51.2	49.1	48.8	48.5	58.6	10.0	68.6

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	59.4	70.8	46.2	70.3	69.1	65.9	64.1	58.0	51.8	47.5	47.1	46.4
	Max	64.8	75.3	52.3	74.9	74.0	71.5	70.1	65.5	59.9	53.7	53.0	52.4
Energy Average		63.0	Average:		73.1	72.2	69.6	67.9	62.0	55.8	50.4	49.9	49.4
Night	Min	54.9	66.0	46.4	65.7	65.0	62.2	59.5	50.3	48.0	46.9	46.7	46.5
	Max	66.7	77.0	56.2	76.6	75.8	73.3	71.8	66.5	61.7	57.1	56.7	56.3
Energy Average		61.8	Average:		70.6	69.7	66.6	64.3	57.3	54.0	51.5	51.2	50.9

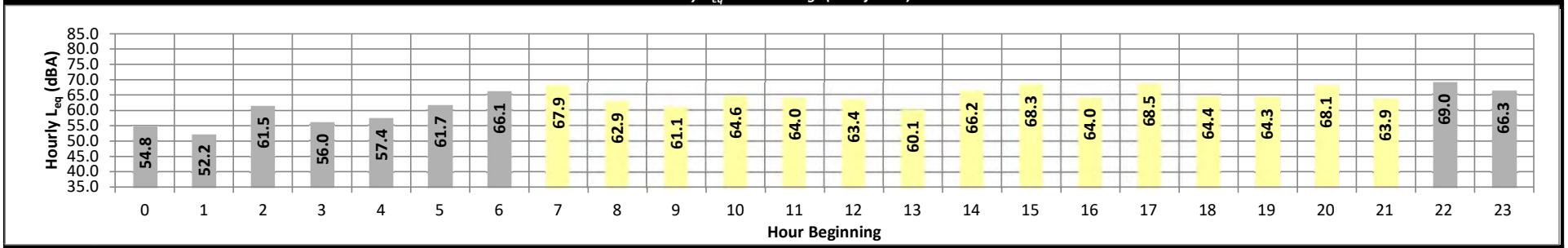
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
68.6	**63.0**	**61.8**

24-Hour Noise Level Measurement Summary

Date: Thursday, June 13, 2024 *Location:* L5 - Located north of the site near the residence at 85925 *Meter:* Piccolo II *JN:* 15967

Project: Armtec Master Plan *Source:* Avenida Raylynn *Analyst:* N. Johnson

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	54.8	68.8	36.4	68.3	67.2	62.6	58.9	45.2	39.2	37.0	36.7	36.4	54.8	10.0	64.8
	1	52.2	65.6	36.1	65.2	64.2	60.5	57.0	42.6	38.4	36.6	36.4	36.2	52.2	10.0	62.2
	2	61.5	75.7	34.9	75.0	73.9	68.7	64.6	56.1	46.8	36.1	35.3	35.0	61.5	10.0	71.5
	3	56.0	67.1	44.9	66.8	66.3	64.1	61.7	52.6	48.6	45.7	45.3	45.0	56.0	10.0	66.0
	4	57.4	68.6	48.8	68.2	67.5	64.6	62.2	55.1	52.1	49.6	49.3	48.9	57.4	10.0	67.4
	5	61.7	72.6	52.4	72.3	71.6	68.8	66.6	59.9	56.4	53.4	53.0	52.5	61.7	10.0	71.7
	6	66.1	79.9	48.5	79.4	78.2	73.8	69.8	60.4	54.2	49.5	49.0	48.6	66.1	10.0	76.1
Day	7	67.9	81.8	44.1	81.1	80.2	75.9	71.9	60.2	52.7	45.5	44.9	44.3	67.9	0.0	67.9
	8	62.9	75.6	40.2	75.1	74.0	70.8	68.2	59.3	51.1	41.6	40.9	40.4	62.9	0.0	62.9
	9	61.1	74.0	38.9	73.6	72.9	69.2	66.2	55.6	46.7	40.2	39.6	39.0	61.1	0.0	61.1
	10	64.6	77.5	42.8	76.9	76.2	72.9	69.2	59.5	52.7	44.6	43.7	43.0	64.6	0.0	64.6
	11	64.0	77.8	42.1	77.1	75.9	71.4	68.5	58.2	49.2	43.0	42.6	42.2	64.0	0.0	64.0
	12	63.4	77.1	44.8	76.5	75.3	71.1	67.9	57.1	49.4	45.8	45.4	45.0	63.4	0.0	63.4
	13	60.1	72.7	42.7	72.2	71.1	68.0	65.8	56.3	48.0	43.5	43.2	42.8	60.1	0.0	60.1
	14	66.2	79.8	43.9	79.1	77.9	73.5	70.2	62.1	53.5	45.6	44.7	44.1	66.2	0.0	66.2
	15	68.3	83.3	44.2	82.3	80.6	75.3	71.3	61.4	52.7	45.7	45.0	44.4	68.3	0.0	68.3
	16	64.0	76.2	43.6	75.7	74.8	71.7	69.2	61.5	54.1	45.6	44.6	43.8	64.0	0.0	64.0
	17	68.5	82.1	44.6	81.4	79.9	75.9	73.0	64.5	57.1	47.0	45.6	44.8	68.5	0.0	68.5
	18	64.4	76.9	46.5	76.4	75.3	72.0	69.4	61.9	54.3	47.9	47.1	46.6	64.4	0.0	64.4
	19	64.3	77.2	44.9	76.6	75.5	71.9	69.3	60.8	52.8	46.5	45.8	45.1	64.3	5.0	69.3
	20	68.1	82.0	45.5	81.4	80.2	75.8	72.1	61.7	53.3	46.7	46.1	45.6	68.1	5.0	73.1
	21	63.9	76.8	45.5	76.2	75.1	71.4	68.9	60.6	53.8	47.1	46.4	45.7	63.9	5.0	68.9
Night	22	69.0	82.9	43.7	82.3	81.5	76.5	72.2	61.5	51.8	45.5	44.4	43.8	69.0	10.0	79.0
	23	66.3	79.9	41.5	79.5	78.6	74.4	70.0	57.6	51.8	42.4	42.1	41.6	66.3	10.0	76.3

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	60.1	72.7	38.9	72.2	71.1	68.0	65.8	55.6	46.7	40.2	39.6	39.0
	Max	68.5	83.3	46.5	82.3	80.6	75.9	73.0	64.5	57.1	47.9	47.1	46.6
Energy Average		65.5	Average:		77.4	76.3	72.4	69.4	60.1	52.1	45.1	44.4	43.8
Night	Min	52.2	65.6	34.9	65.2	64.2	60.5	57.0	42.6	38.4	36.1	35.3	35.0
	Max	69.0	82.9	52.4	82.3	81.5	76.5	72.2	61.5	56.4	53.4	53.0	52.5
Energy Average		63.6	Average:		73.0	72.1	68.2	64.8	54.6	48.8	44.0	43.5	43.1

24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
70.7	**65.5**	**63.6**

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APPENDIX 7.1:

OFF-SITE NOISE CALCULATIONS

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Tyler St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,090 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	172 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.29	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-25.16	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-22.94	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.5	60.5	59.0	53.0	61.5	62.1
Medium Trucks:	57.5	54.4	46.6	55.8	61.9	62.0
Heavy Trucks:	64.1	60.9	53.2	62.4	68.5	68.6
Vehicle Noise:	66.6	64.2	60.2	63.6	70.0	70.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	40	87	187	403
CNEL:	41	88	190	410

Friday, July 26, 2024

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Tyler St.
Road Segment: s/o Avenue 53

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,700 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	140 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-11.19	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-26.05	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-23.84	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	60.6	59.6	58.1	52.1	60.6	61.2
Medium Trucks:	56.6	53.5	45.7	54.9	61.0	61.1
Heavy Trucks:	63.2	60.1	52.3	61.5	67.6	67.7
Vehicle Noise:	65.7	63.3	59.3	62.7	69.1	69.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	35	76	163	351
CNEL:	36	77	166	357

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Tyler St.
Road Segment: s/o Armtec Entrance

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,330 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	110 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-12.25	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-27.12	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-24.90	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.6	58.5	57.1	51.1	59.5	60.1
Medium Trucks:	55.5	52.4	44.6	53.8	60.0	60.0
Heavy Trucks:	62.1	59.0	51.2	60.4	66.6	66.6
Vehicle Noise:	64.6	62.2	58.3	61.7	68.1	68.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	30	64	138	298
CNEL:	30	65	141	303

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Palm St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,510 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	125 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	75.5%	14.0%	10.5%	97.42%
Medium Trucks:	48.9%	2.2%	48.9%	1.84%
Heavy Trucks:	47.3%	5.4%	47.3%	0.74%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-10.49	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	77.72	-27.72	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-31.68	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	58.1	56.9	55.6	49.6	58.0	58.6
Medium Trucks:	52.1	49.1	41.6	50.3	56.5	56.5
Heavy Trucks:	53.4	50.2	46.8	51.5	57.7	57.8
Vehicle Noise:	60.1	58.3	56.3	55.3	62.2	62.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	9	20	42	91
CNEL:	9	20	44	95

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Grapefruit Blvd.
Road Segment: w/o Tyler St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	7,970 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	658 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-4.48	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.34	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-17.13	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	67.8	66.7	65.3	59.3	67.8	68.4
Medium Trucks:	63.8	60.6	52.9	62.1	68.2	68.3
Heavy Trucks:	70.4	67.2	59.4	68.7	74.8	74.8
Vehicle Noise:	72.9	70.5	66.5	69.9	76.3	76.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	79	171	368	792
CNEL:	81	174	374	807

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Grapefruit Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,050 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	499 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-5.68	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-20.54	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-18.32	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	66.6	65.5	64.1	58.1	66.6	67.2
Medium Trucks:	62.6	59.4	51.7	60.9	67.0	67.1
Heavy Trucks:	69.2	66.0	58.3	67.5	73.6	73.6
Vehicle Noise:	71.7	69.3	65.3	68.7	75.1	75.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	66	142	306	659
CNEL:	67	145	312	671

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Grapefruit Blvd.
Road Segment: e/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,100 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	256 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-8.58	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-23.45	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-21.23	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.7	62.6	61.2	55.2	63.7	64.3
Medium Trucks:	59.7	56.5	48.8	58.0	64.1	64.2
Heavy Trucks:	66.3	63.1	55.3	64.6	70.7	70.7
Vehicle Noise:	68.8	66.4	62.4	65.8	72.2	72.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	42	91	196	422
CNEL:	43	93	200	430

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: Existing
Road Name: Airport Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,420 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	282 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	71 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	46.0 feet
Centerline Dist. to Observer:	46.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.677
Medium Trucks:	29.378
Heavy Trucks:	29.407

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	68.46	-7.69	3.29	-1.20	*-4.63*	0.000	0.000
Medium Trucks:	79.45	-22.56	3.36	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	84.25	-20.34	3.35	-1.20	*-5.47*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	62.9	61.8	60.4	54.4	62.8	63.4
Medium Trucks:	59.0	55.9	48.1	57.3	63.5	63.5
Heavy Trucks:	66.1	62.9	55.1	64.3	70.5	70.5
Vehicle Noise:	68.3	65.9	61.7	65.5	71.9	72.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	61	132	284	613
CNEL:	62	134	289	623

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Tyler St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,190 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	181 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.09	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-24.95	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-22.74	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.7	60.7	59.2	53.2	61.7	62.3
Medium Trucks:	57.7	54.6	46.8	56.0	62.1	62.2
Heavy Trucks:	64.3	61.2	53.4	62.6	68.7	68.8
Vehicle Noise:	66.8	64.4	60.4	63.8	70.2	70.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	42	89	193	415
CNEL:	42	91	196	423

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Tyler St.
Road Segment: s/o Avenue 53

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,810 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	149 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.92	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-25.78	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-23.56	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	60.9	59.8	58.4	52.4	60.9	61.5
Medium Trucks:	56.9	53.7	46.0	55.2	61.3	61.3
Heavy Trucks:	63.5	60.3	52.5	61.7	67.9	67.9
Vehicle Noise:	66.0	63.6	59.6	63.0	69.4	69.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	37	79	170	366
CNEL:	37	80	173	373

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Tyler St.
Road Segment: s/o Armtec Entrance

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,340 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	111 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-12.22	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-27.09	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-24.87	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.6	58.5	57.1	51.1	59.6	60.2
Medium Trucks:	55.6	52.4	44.6	53.9	60.0	60.0
Heavy Trucks:	62.2	59.0	51.2	60.4	66.6	66.6
Vehicle Noise:	64.6	62.3	58.3	61.7	68.1	68.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	30	64	139	299
CNEL:	30	66	142	305

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Palm St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,540 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	127 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	75.5%	14.0%	10.5%	97.42%
Medium Trucks:	48.9%	2.2%	48.9%	1.84%
Heavy Trucks:	47.3%	5.4%	47.3%	0.74%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-10.40	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	77.72	-27.64	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-31.59	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	58.2	57.0	55.7	49.7	58.1	58.7
Medium Trucks:	52.2	49.1	41.6	50.4	56.6	56.6
Heavy Trucks:	53.5	50.3	46.9	51.6	57.8	57.9
Vehicle Noise:	60.2	58.4	56.4	55.4	62.3	62.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	9	20	43	92
CNEL:	10	21	45	96

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Grapefruit Blvd.
Road Segment: w/o Tyler St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,000 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	660 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-4.46	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.33	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-17.11	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	67.8	66.7	65.3	59.3	67.8	68.4
Medium Trucks:	63.8	60.7	52.9	62.1	68.2	68.3
Heavy Trucks:	70.4	67.2	59.5	68.7	74.8	74.9
Vehicle Noise:	72.9	70.5	66.5	69.9	76.3	76.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	79	171	369	794
CNEL:	81	174	375	809

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Grapefruit Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,060 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	500 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-5.67	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-20.53	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-18.32	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	66.6	65.5	64.1	58.1	66.6	67.2
Medium Trucks:	62.6	59.5	51.7	60.9	67.0	67.1
Heavy Trucks:	69.2	66.0	58.3	67.5	73.6	73.7
Vehicle Noise:	71.7	69.3	65.3	68.7	75.1	75.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	66	142	306	660
CNEL:	67	145	312	672

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Grapefruit Blvd.
Road Segment: e/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,110 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	257 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-8.57	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-23.43	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-21.21	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.7	62.6	61.2	55.2	63.7	64.3
Medium Trucks:	59.7	56.6	48.8	58.0	64.1	64.2
Heavy Trucks:	66.3	63.1	55.4	64.6	70.7	70.8
Vehicle Noise:	68.8	66.4	62.4	65.8	72.2	72.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	42	91	196	423
CNEL:	43	93	200	431

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: E + P
Road Name: Airport Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,460 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	285 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	71 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	46.0 feet
Centerline Dist. to Observer:	46.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.677
Medium Trucks:	29.378
Heavy Trucks:	29.407

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	68.46	-7.64	3.29	-1.20	*-4.63*	0.000	0.000
Medium Trucks:	79.45	-22.51	3.36	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	84.25	-20.29	3.35	-1.20	*-5.47*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	62.9	61.8	60.4	54.4	62.9	63.5
Medium Trucks:	59.1	56.0	48.2	57.4	63.5	63.6
Heavy Trucks:	66.1	63.0	55.2	64.4	70.6	70.6
Vehicle Noise:	68.4	65.9	61.8	65.5	71.9	72.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	62	133	287	617
CNEL:	63	135	292	628

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Tyler St.
Road Segment: s/o Grapefruit Blvd.
Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,170 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	179 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.13	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-24.99	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-22.78	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.7	60.6	59.2	53.2	61.6	62.3
Medium Trucks:	57.7	54.5	46.7	55.9	62.1	62.1
Heavy Trucks:	64.3	61.1	53.3	62.5	68.7	68.7
Vehicle Noise:	66.7	64.4	60.4	63.8	70.2	70.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	41	89	192	413
CNEL:	42	91	195	420

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Tyler St.
Road Segment: s/o Avenue 53

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,770 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	146 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-11.01	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-25.88	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-23.66	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	60.8	59.7	58.3	52.3	60.8	61.4
Medium Trucks:	56.8	53.6	45.9	55.1	61.2	61.3
Heavy Trucks:	63.4	60.2	52.4	61.7	67.8	67.8
Vehicle Noise:	65.9	63.5	59.5	62.9	69.3	69.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	36	78	167	360
CNEL:	37	79	170	367

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Tyler St.
Road Segment: s/o Armtec Entrance

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,380 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	114 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-12.09	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-26.96	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-24.74	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.7	58.6	57.2	51.2	59.7	60.3
Medium Trucks:	55.7	52.6	44.8	54.0	60.1	60.2
Heavy Trucks:	62.3	59.1	51.4	60.6	66.7	66.8
Vehicle Noise:	64.8	62.4	58.4	61.8	68.2	68.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	31	66	142	305
CNEL:	31	67	144	311

Friday, July 26, 2024

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Palm St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,580 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	130 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	75.5%	14.0%	10.5%	97.42%
Medium Trucks:	48.9%	2.2%	48.9%	1.84%
Heavy Trucks:	47.3%	5.4%	47.3%	0.74%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-10.29	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	77.72	-27.53	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-31.48	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	58.3	57.1	55.8	49.8	58.2	58.8
Medium Trucks:	52.3	49.3	41.8	50.5	56.7	56.7
Heavy Trucks:	53.6	50.4	47.0	51.7	57.9	58.0
Vehicle Noise:	60.3	58.5	56.5	55.5	62.4	62.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	9	20	43	94
CNEL:	10	21	45	98

Friday, July 26, 2024

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Grapefruit Blvd.
Road Segment: w/o Tyler St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,290 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	684 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-4.31	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.17	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-16.96	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	68.0	66.9	65.5	59.5	67.9	68.6
Medium Trucks:	64.0	60.8	53.0	62.2	68.4	68.4
Heavy Trucks:	70.5	67.4	59.6	68.8	75.0	75.0
Vehicle Noise:	73.0	70.6	66.7	70.1	76.5	76.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	81	175	377	813
CNEL:	83	178	384	828

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Grapefruit Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,300 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	520 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-5.50	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-20.37	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-18.15	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	66.8	65.7	64.3	58.3	66.7	67.4
Medium Trucks:	62.8	59.6	51.8	61.0	67.2	67.2
Heavy Trucks:	69.4	66.2	58.4	67.6	73.8	73.8
Vehicle Noise:	71.8	69.5	65.5	68.9	75.3	75.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	68	146	314	677
CNEL:	69	149	320	690

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Grapefruit Blvd.
Road Segment: e/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,220 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	266 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-8.41	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-23.28	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-21.06	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.9	62.8	61.4	55.4	63.8	64.4
Medium Trucks:	59.8	56.7	48.9	58.1	64.3	64.3
Heavy Trucks:	66.4	63.3	55.5	64.7	70.9	70.9
Vehicle Noise:	68.9	66.5	62.6	66.0	72.4	72.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	43	93	201	433
CNEL:	44	95	205	441

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EA
Road Name: Airport Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,560 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	294 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	71 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	46.0 feet
Centerline Dist. to Observer:	46.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.677
Medium Trucks:	29.378
Heavy Trucks:	29.407

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	68.46	-7.52	3.29	-1.20	*-4.63*	0.000	0.000
Medium Trucks:	79.45	-22.39	3.36	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	84.25	-20.17	3.35	-1.20	*-5.47*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.0	62.0	60.6	54.5	63.0	63.6
Medium Trucks:	59.2	56.1	48.3	57.5	63.7	63.7
Heavy Trucks:	66.2	63.1	55.3	64.5	70.7	70.7
Vehicle Noise:	68.5	66.0	61.9	65.7	72.0	72.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	63	136	292	629
CNEL:	64	138	297	640

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Tyler St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,270 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	187 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-9.93	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-24.80	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-22.58	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.9	60.8	59.4	53.4	61.8	62.5
Medium Trucks:	57.9	54.7	46.9	56.1	62.3	62.3
Heavy Trucks:	64.5	61.3	53.5	62.7	68.9	68.9
Vehicle Noise:	66.9	64.6	60.6	64.0	70.4	70.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	43	92	197	425
CNEL:	43	93	201	433

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Tyler St.
Road Segment: s/o Avenue 53

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,880 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	155 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.75	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-25.62	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-23.40	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.1	60.0	58.6	52.6	61.0	61.6
Medium Trucks:	57.0	53.9	46.1	55.3	61.5	61.5
Heavy Trucks:	63.6	60.5	52.7	61.9	68.1	68.1
Vehicle Noise:	66.1	63.7	59.8	63.2	69.6	69.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	38	81	174	375
CNEL:	38	82	177	382

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Tyler St.
Road Segment: s/o Armtec Entrance

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,390 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	115 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-12.06	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-26.93	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-24.71	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.7	58.7	57.3	51.2	59.7	60.3
Medium Trucks:	55.7	52.6	44.8	54.0	60.2	60.2
Heavy Trucks:	62.3	59.2	51.4	60.6	66.8	66.8
Vehicle Noise:	64.8	62.4	58.5	61.9	68.3	68.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	31	66	142	307
CNEL:	31	67	145	312

Friday, July 26, 2024

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Palm St.
Road Segment: s/o Grapefruit Blvd.
Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,610 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	133 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	75.5%	14.0%	10.5%	97.42%
Medium Trucks:	48.9%	2.2%	48.9%	1.84%
Heavy Trucks:	47.3%	5.4%	47.3%	0.74%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-10.21	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	77.72	-27.44	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-31.40	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	58.4	57.2	55.9	49.9	58.3	58.9
Medium Trucks:	52.4	49.3	41.8	50.6	56.8	56.8
Heavy Trucks:	53.7	50.5	47.1	51.8	58.0	58.1
Vehicle Noise:	60.4	58.6	56.6	55.6	62.5	62.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	9	20	44	95
CNEL:	10	21	46	99

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Grapefruit Blvd.
Road Segment: w/o Tyler St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,320 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	686 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-4.29	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.16	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-16.94	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	68.0	66.9	65.5	59.5	67.9	68.6
Medium Trucks:	64.0	60.8	53.0	62.3	68.4	68.4
Heavy Trucks:	70.6	67.4	59.6	68.8	75.0	75.0
Vehicle Noise:	73.0	70.7	66.7	70.1	76.5	76.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	82	176	378	815
CNEL:	83	179	385	830

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Grapefruit Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,310 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	521 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-5.49	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-20.36	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-18.14	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	66.8	65.7	64.3	58.3	66.7	67.4
Medium Trucks:	62.8	59.6	51.8	61.1	67.2	67.2
Heavy Trucks:	69.4	66.2	58.4	67.6	73.8	73.8
Vehicle Noise:	71.8	69.5	65.5	68.9	75.3	75.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	68	146	315	678
CNEL:	69	149	320	690

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Grapefruit Blvd.
Road Segment: e/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,230 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	266 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-8.40	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-23.27	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-21.05	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.9	62.8	61.4	55.4	63.8	64.5
Medium Trucks:	59.9	56.7	48.9	58.1	64.3	64.3
Heavy Trucks:	66.5	63.3	55.5	64.7	70.9	70.9
Vehicle Noise:	68.9	66.6	62.6	66.0	72.4	72.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	43	93	201	434
CNEL:	44	95	205	442

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAP
Road Name: Airport Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,600 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	297 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	71 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	46.0 feet
Centerline Dist. to Observer:	46.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.677
Medium Trucks:	29.378
Heavy Trucks:	29.407

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	68.46	-7.47	3.29	-1.20	*-4.63*	0.000	0.000
Medium Trucks:	79.45	-22.34	3.36	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	84.25	-20.12	3.35	-1.20	*-5.47*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.1	62.0	60.6	54.6	63.1	63.7
Medium Trucks:	59.3	56.1	48.3	57.6	63.7	63.7
Heavy Trucks:	66.3	63.1	55.4	64.6	70.7	70.8
Vehicle Noise:	68.5	66.1	61.9	65.7	72.1	72.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	63	137	294	634
CNEL:	64	139	299	645

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Tyler St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,250 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	186 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-9.97	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-24.84	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-22.62	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.8	60.8	59.4	53.3	61.8	62.4
Medium Trucks:	57.8	54.7	46.9	56.1	62.3	62.3
Heavy Trucks:	64.4	61.3	53.5	62.7	68.8	68.9
Vehicle Noise:	66.9	64.5	60.6	64.0	70.4	70.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	42	91	196	423
CNEL:	43	93	200	431

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Tyler St.
Road Segment: s/o Avenue 53

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,830 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	151 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.87	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-25.73	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-23.52	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	60.9	59.9	58.5	52.4	60.9	61.5
Medium Trucks:	56.9	53.8	46.0	55.2	61.4	61.4
Heavy Trucks:	63.5	60.4	52.6	61.8	68.0	68.0
Vehicle Noise:	66.0	63.6	59.7	63.1	69.5	69.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	37	79	171	368
CNEL:	38	81	174	375

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Tyler St.
Road Segment: s/o Armtec Entrance

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,440 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	119 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-11.91	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-26.78	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-24.56	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.9	58.8	57.4	51.4	59.9	60.5
Medium Trucks:	55.9	52.7	45.0	54.2	60.3	60.4
Heavy Trucks:	62.5	59.3	51.5	60.8	66.9	66.9
Vehicle Noise:	65.0	62.6	58.6	62.0	68.4	68.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	31	68	146	314
CNEL:	32	69	148	320

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Palm St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,170 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	179 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	75.5%	14.0%	10.5%	97.42%
Medium Trucks:	48.9%	2.2%	48.9%	1.84%
Heavy Trucks:	47.3%	5.4%	47.3%	0.74%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-8.91	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	77.72	-26.15	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-30.10	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.7	58.5	57.2	51.2	59.6	60.2
Medium Trucks:	53.7	50.6	43.1	51.9	58.1	58.1
Heavy Trucks:	55.0	51.8	48.4	53.1	59.3	59.3
Vehicle Noise:	61.7	59.9	57.9	56.9	63.8	64.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	12	25	54	116
CNEL:	12	26	56	121

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Grapefruit Blvd.
Road Segment: w/o Tyler St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,410 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	694 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-4.24	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.11	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-16.89	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	68.0	67.0	65.5	59.5	68.0	68.6
Medium Trucks:	64.0	60.9	53.1	62.3	68.5	68.5
Heavy Trucks:	70.6	67.5	59.7	68.9	75.0	75.1
Vehicle Noise:	73.1	70.7	66.7	70.1	76.6	76.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	82	177	381	821
CNEL:	84	180	388	836

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Grapefruit Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,970 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	575 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-5.06	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.93	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-17.71	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	67.2	66.1	64.7	58.7	67.2	67.8
Medium Trucks:	63.2	60.1	52.3	61.5	67.6	67.7
Heavy Trucks:	69.8	66.6	58.9	68.1	74.2	74.3
Vehicle Noise:	72.3	69.9	65.9	69.3	75.7	75.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	72	156	336	724
CNEL:	74	159	342	738

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Grapefruit Blvd.
Road Segment: e/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,610 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	298 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-7.92	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-22.78	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-20.57	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	64.4	63.3	61.9	55.9	64.3	64.9
Medium Trucks:	60.3	57.2	49.4	58.6	64.8	64.8
Heavy Trucks:	66.9	63.8	56.0	65.2	71.4	71.4
Vehicle Noise:	69.4	67.0	63.1	66.5	72.9	73.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	47	101	217	467
CNEL:	48	103	221	476

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EAC
Road Name: Airport Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,730 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	308 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	71 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	46.0 feet
Centerline Dist. to Observer:	46.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.677
Medium Trucks:	29.378
Heavy Trucks:	29.407

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	68.46	-7.32	3.29	-1.20	*-4.63*	0.000	0.000
Medium Trucks:	79.45	-22.18	3.36	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	84.25	-19.97	3.35	-1.20	*-5.47*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.2	62.2	60.8	54.7	63.2	63.8
Medium Trucks:	59.4	56.3	48.5	57.7	63.9	63.9
Heavy Trucks:	66.4	63.3	55.5	64.7	70.9	70.9
Vehicle Noise:	68.7	66.2	62.1	65.9	72.2	72.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	65	140	301	649
CNEL:	66	142	307	660

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Tyler St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,350 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	194 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-9.78	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-24.65	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-22.43	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	62.0	61.0	59.5	53.5	62.0	62.6
Medium Trucks:	58.0	54.9	47.1	56.3	62.4	62.5
Heavy Trucks:	64.6	61.5	53.7	62.9	69.0	69.1
Vehicle Noise:	67.1	64.7	60.7	64.1	70.6	70.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	44	94	202	435
CNEL:	44	96	206	443

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Tyler St.
Road Segment: s/o Avenue 53

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,940 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	160 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-10.61	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-25.48	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-23.26	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	61.2	60.1	58.7	52.7	61.2	61.8
Medium Trucks:	57.2	54.0	46.3	55.5	61.6	61.6
Heavy Trucks:	63.8	60.6	52.8	62.1	68.2	68.2
Vehicle Noise:	66.3	63.9	59.9	63.3	69.7	69.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	38	83	178	383
CNEL:	39	84	181	390

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Tyler St.
Road Segment: s/o Armtec Entrance

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,450 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	120 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	49 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	40.0 feet
Centerline Dist. to Observer:	40.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	32.012
Medium Trucks:	31.734
Heavy Trucks:	31.761

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-11.88	2.80	-1.20	*-4.59*	0.000	0.000
Medium Trucks:	81.00	-26.75	2.86	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	85.38	-24.53	2.85	-1.20	*-5.56*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.9	58.9	57.5	51.4	59.9	60.5
Medium Trucks:	55.9	52.8	45.0	54.2	60.4	60.4
Heavy Trucks:	62.5	59.4	51.6	60.8	66.9	67.0
Vehicle Noise:	65.0	62.6	58.6	62.0	68.5	68.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	32	68	146	315
CNEL:	32	69	149	321

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Palm St.
Road Segment: s/o Grapefruit Blvd.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,200 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	182 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	75.5%	14.0%	10.5%	97.42%
Medium Trucks:	48.9%	2.2%	48.9%	1.84%
Heavy Trucks:	47.3%	5.4%	47.3%	0.74%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-8.85	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	77.72	-26.09	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-30.04	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.7	58.6	57.2	51.2	59.6	60.3
Medium Trucks:	53.8	50.7	43.2	51.9	58.1	58.2
Heavy Trucks:	55.1	51.9	48.5	53.1	59.3	59.4
Vehicle Noise:	61.8	59.9	57.9	56.9	63.8	64.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	12	25	54	117
CNEL:	12	26	57	122

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Grapefruit Blvd.
Road Segment: w/o Tyler St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,440 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	696 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-4.23	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.10	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-16.88	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	68.0	67.0	65.6	59.5	68.0	68.6
Medium Trucks:	64.0	60.9	53.1	62.3	68.5	68.5
Heavy Trucks:	70.6	67.5	59.7	68.9	75.1	75.1
Vehicle Noise:	73.1	70.7	66.8	70.2	76.6	76.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	82	177	382	823
CNEL:	84	181	389	838

Friday, July 26, 2024

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Grapefruit Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,980 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	576 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-5.05	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-19.92	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-17.70	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	67.2	66.2	64.7	58.7	67.2	67.8
Medium Trucks:	63.2	60.1	52.3	61.5	67.6	67.7
Heavy Trucks:	69.8	66.7	58.9	68.1	74.2	74.3
Vehicle Noise:	72.3	69.9	65.9	69.3	75.7	75.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	72	156	336	725
CNEL:	74	159	343	739

Friday, July 26, 2024

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Grapefruit Blvd.
Road Segment: e/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,620 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	299 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	12 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	30.0 feet
Centerline Dist. to Observer:	30.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.816
Medium Trucks:	29.518
Heavy Trucks:	29.547

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	-7.91	3.26	-1.20	*-4.49*	0.000	0.000
Medium Trucks:	81.00	-22.77	3.33	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	85.38	-20.55	3.32	-1.20	*-5.77*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	64.4	63.3	61.9	55.9	64.3	65.0
Medium Trucks:	60.4	57.2	49.4	58.6	64.8	64.8
Heavy Trucks:	66.9	63.8	56.0	65.2	71.4	71.4
Vehicle Noise:	69.4	67.0	63.1	66.5	72.9	73.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	47	101	217	468
CNEL:	48	103	221	477

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

Scenario: EACP
Road Name: Airport Blvd.
Road Segment: w/o Palm St.

Project Name: Armtec Master Plan
Job Number: 15967

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,770 vehicles
Peak Hour Percentage:	8.25%
Peak Hour Volume:	311 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	71 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	46.0 feet
Centerline Dist. to Observer:	46.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	77.5%	14.0%	10.5%	92.00%
Medium Trucks:	48.0%	2.0%	50.0%	3.00%
Heavy Trucks:	48.0%	2.0%	50.0%	5.00%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.006	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	29.677
Medium Trucks:	29.378
Heavy Trucks:	29.407

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	68.46	-7.27	3.29	-1.20	*-4.63*	0.000	0.000
Medium Trucks:	79.45	-22.14	3.36	-1.20	*-4.87*	0.000	0.000
Heavy Trucks:	84.25	-19.92	3.35	-1.20	*-5.47*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	63.3	62.2	60.8	54.8	63.3	63.9
Medium Trucks:	59.5	56.3	48.5	57.8	63.9	63.9
Heavy Trucks:	66.5	63.3	55.6	64.8	70.9	71.0
Vehicle Noise:	68.7	66.3	62.1	65.9	72.3	72.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	65	141	303	654
CNEL:	67	143	309	665

APPENDIX 10.1:

OPERATIONAL NOISE CALCULATIONS

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15967 - ARMTEC Master Plan

CadnaA Noise Prediction Model: 15967-02_Operation.cna
Date: 18.07.24
Analyst: B. Maddux

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
R1		R1	49.4	17.1	46.4	0.0	0.0	0.0		x	Total	5.00	r	6585073.32	2184562.33	5.00
R2		R2	41.9	19.3	39.1	0.0	0.0	0.0		x	Total	5.00	r	6586635.42	2182498.12	5.00
R3		R3	45.2	34.4	44.3	0.0	0.0	0.0		x	Total	5.00	r	6587815.97	2184101.16	5.00
R4		R4	47.3	37.2	46.7	0.0	0.0	0.0		x	Total	5.00	r	6587831.34	2184343.17	5.00
R5		R5	47.8	21.8	44.8	0.0	0.0	0.0		x	Total	5.00	r	6586989.15	2185845.43	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
AC1		AC1	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6587488.39	2184737.82	25.00
AC2		AC2	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6587574.68	2184369.07	25.00
AC3		AC3	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6587574.68	2184342.68	25.00
AC4		AC4	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6587574.68	2184315.60	25.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
LOAD1		LOAD1	115.8	103.7	103.7	78.3	66.2	66.2	Lw	103.7		900.00	0.00	0.00	8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LOAD1	LOAD1	8.00	a			6586539.39	2185434.87	8.00	0.00
						6586981.23	2185438.34	8.00	0.00
						6586980.36	2185301.19	8.00	0.00
						6586537.66	2185298.58	8.00	0.00

Barrier(s)

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00001	x	0		20.00	a	6586673.71	2185548.42	20.00	0.00
									6586983.61	2185551.89	20.00	0.00
									6586982.74	2185445.12	20.00	0.00
									6586671.11	2185442.52	20.00	0.00
BUILDING			BUILDING00002	x	0		20.00	a	6586585.17	2184941.65	20.00	0.00
									6586632.91	2184943.38	20.00	0.00
									6586632.91	2184899.11	20.00	0.00
									6586581.70	2184899.11	20.00	0.00
BUILDING			BUILDING00003	x	0		20.00	a	6586735.35	2184942.52	20.00	0.00
									6586786.56	2184944.25	20.00	0.00
									6586786.56	2184899.98	20.00	0.00
									6586734.48	2184898.25	20.00	0.00
BUILDING			BUILDING00004	x	0		20.00	a	6586731.00	2184472.03	20.00	0.00
									6586830.83	2184474.63	20.00	0.00
									6586831.70	2184339.22	20.00	0.00
									6586729.27	2184339.22	20.00	0.00
BUILDING			BUILDING00005	x	0		20.00	a	6587395.39	2184093.34	20.00	0.00
									6587637.06	2184095.42	20.00	0.00
									6587637.06	2183993.34	20.00	0.00
									6587394.70	2183990.56	20.00	0.00
BUILDING			BUILDING00006	x	0		20.00	a	6587522.48	2184457.92	20.00	0.00
									6587630.81	2184458.62	20.00	0.00
									6587629.42	2184222.51	20.00	0.00
									6587520.39	2184217.65	20.00	0.00
BUILDING			BUILDING00007	x	0		20.00	a	6587456.09	2184753.62	20.00	0.00
									6587514.42	2184756.40	20.00	0.00
									6587514.42	2184721.67	20.00	0.00
									6587455.39	2184721.67	20.00	0.00
BUILDING			BUILDING00008	x	0		20.00	a	6587409.40	2185126.71	20.00	0.00
									6587494.47	2185121.50	20.00	0.00
									6587497.94	2185085.04	20.00	0.00
									6587411.14	2185078.10	20.00	0.00
BUILDING			BUILDING00009	x	0		20.00	a	6587199.33	2185119.76	20.00	0.00
									6587374.68	2185121.50	20.00	0.00
									6587374.68	2184999.97	20.00	0.00
									6587308.71	2185005.18	20.00	0.00
									6587308.71	2185034.70	20.00	0.00
									6587201.07	2185038.17	20.00	0.00
BUILDING			BUILDING00010	x	0		20.00	a	6587270.51	2184927.06	20.00	0.00
									6587381.62	2184925.32	20.00	0.00
									6587379.89	2184828.10	20.00	0.00
									6587301.76	2184831.57	20.00	0.00
									6587305.23	2184864.56	20.00	0.00
									6587275.72	2184864.56	20.00	0.00
									6587270.51	2184829.83	20.00	0.00
									6587242.73	2184829.83	20.00	0.00
									6587239.26	2184906.22	20.00	0.00
									6587270.51	2184909.70	20.00	0.00
BUILDING			BUILDING00011	x	0		20.00	a	6587414.61	2184890.60	20.00	0.00
									6587473.64	2184894.07	20.00	0.00
									6587477.11	2184850.67	20.00	0.00
									6587412.87	2184848.93	20.00	0.00
BUILDING			BUILDING00012	x	0		20.00	a	6587135.09	2185107.61	20.00	0.00
									6587136.83	2185074.63	20.00	0.00
									6587089.96	2185072.89	20.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6587084.75	2185093.72	20.00	0.00
									6587107.32	2185095.46	20.00	0.00
									6587110.79	2185105.88	20.00	0.00
BUILDING			BUILDING00013	x	0		20.00	a	6587140.30	2185020.81	20.00	0.00
									6587147.25	2184854.14	20.00	0.00
									6587072.59	2184850.67	20.00	0.00
									6587065.65	2184930.53	20.00	0.00
									6587095.16	2184932.26	20.00	0.00
									6587096.90	2185022.54	20.00	0.00
BUILDING			BUILDING00014	x	0		20.00	a	6586603.84	2184803.79	20.00	0.00
									6586629.89	2184807.26	20.00	0.00
									6586628.15	2184776.01	20.00	0.00
									6586600.37	2184774.28	20.00	0.00
BUILDING			BUILDING00015	x	0		20.00	a	6586765.30	2184809.00	20.00	0.00
									6586791.34	2184810.74	20.00	0.00
									6586794.82	2184781.22	20.00	0.00
									6586765.30	2184779.49	20.00	0.00
BUILDING			BUILDING00016	x	0		20.00	a	6586758.36	2184642.33	20.00	0.00
									6586789.61	2184649.28	20.00	0.00
									6586787.87	2184609.35	20.00	0.00
									6586760.09	2184609.35	20.00	0.00
BUILDING			BUILDING00017	x	0		20.00	a	6586596.90	2184645.81	20.00	0.00
									6586622.94	2184649.28	20.00	0.00
									6586624.68	2184614.56	20.00	0.00
									6586595.16	2184611.08	20.00	0.00
BUILDING			BUILDING00018	x	0		20.00	a	6586631.62	2184171.85	20.00	0.00
									6586692.39	2184178.79	20.00	0.00
									6586694.12	2184126.71	20.00	0.00
									6586635.09	2184126.71	20.00	0.00
BUILDING			BUILDING00019	x	0		20.00	a	6586860.79	2184180.53	20.00	0.00
									6586916.34	2184180.53	20.00	0.00
									6586914.61	2184126.71	20.00	0.00
									6586860.79	2184131.92	20.00	0.00
BUILDING			BUILDING00020	x	0		20.00	a	6587076.07	2184272.54	20.00	0.00
									6587112.53	2184270.81	20.00	0.00
									6587112.53	2184225.67	20.00	0.00
									6587072.59	2184225.67	20.00	0.00
BUILDING			BUILDING00021	x	0		20.00	a	6587084.75	2184157.96	20.00	0.00
									6587185.44	2184152.75	20.00	0.00
									6587187.18	2184086.78	20.00	0.00
									6587086.48	2184086.78	20.00	0.00
BUILDING			BUILDING00022	x	0		20.00	a	6587247.94	2183940.95	20.00	0.00
									6587244.47	2184074.63	20.00	0.00
									6587286.14	2184072.89	20.00	0.00
									6587284.40	2183940.95	20.00	0.00
BUILDING			BUILDING00023	x	0		20.00	a	6587223.64	2184178.79	20.00	0.00
									6587260.09	2184178.79	20.00	0.00
									6587267.04	2184156.22	20.00	0.00
									6587237.53	2184157.96	20.00	0.00
									6587237.53	2184145.81	20.00	0.00
									6587223.64	2184145.81	20.00	0.00
BUILDING			BUILDING00024	x	0		20.00	a	6587527.46	2184171.85	20.00	0.00
									6587553.50	2184175.32	20.00	0.00
									6587556.97	2184137.13	20.00	0.00
									6587530.93	2184131.92	20.00	0.00
BUILDING			BUILDING00025	x	0		20.00	a	6587600.37	2184171.85	20.00	0.00
									6587624.68	2184171.85	20.00	0.00
									6587626.41	2184133.65	20.00	0.00
									6587598.64	2184137.13	20.00	0.00
BUILDING			BUILDING00026	x	0		20.00	a	6587287.87	2184446.15	20.00	0.00
									6587404.19	2184439.21	20.00	0.00
									6587411.14	2184277.75	20.00	0.00
									6587294.82	2184282.96	20.00	0.00
BUILDING			BUILDING00027	x	0		20.00	a	6587428.50	2184496.50	20.00	0.00
									6587291.34	2184494.76	20.00	0.00
									6587277.46	2184611.08	20.00	0.00
									6587192.39	2184626.71	20.00	0.00
									6587187.18	2184708.31	20.00	0.00
									6587291.34	2184704.83	20.00	0.00
									6587286.14	2184746.50	20.00	0.00
									6587386.83	2184755.18	20.00	0.00
									6587390.30	2184654.49	20.00	0.00
									6587421.55	2184654.49	20.00	0.00
BUILDING			BUILDING00028	x	0		20.00	a	6587018.78	2184673.58	20.00	0.00
									6587055.23	2184673.58	20.00	0.00
									6587050.03	2184612.82	20.00	0.00
									6587013.57	2184616.29	20.00	0.00

Ground Absorption(s)

Name	Sel.	M.	ID	G	Coordinates	
					x	y
					(ft)	(ft)

Contour(s)

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)

Vertical Area Source(s)

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Rail

Name	Sel.	M.	ID	Lw'		Train Class	Correct.	Vmax
				Day	Night		Track	
				(dBA)	(dBA)		(dB)	(km(mph)

Sound Level Spectra

Name	ID	Type	Oktave Spectrum (dB)											Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	

Roads

Name	Sel.	M.	ID	Lme			Count Data		exact Count Data						Speed Limit		SCS	Surface		Gradient	Mult. Reflection		
				Day	Evening	Night	DTV	Str.class.	M			p (%)			Auto	Truck	Dist.	Dstro	Type		Drefl	Hbuild	Dist.
				(dBA)	(dBA)	(dBA)			Day	Evening	Night	Day	Evening	Night	(mph)	(mph)		(dB)		(%)	(dB)	(ft)	(ft)

RoadsGeo

Name	Height				Coordinates				Dist	LSlope
	Begin		End		x	y	z	Ground	(ft)	(%)
	(ft)		(ft)		(ft)	(ft)	(ft)	(ft)		

APPENDIX 11.1:

CONSTRUCTION NOISE LEVEL CALCULATIONS

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15967 - ARMTEC Master Plan

CadnaA Noise Prediction Model: 15967-02_Construction.cna
Date: 18.07.24
Analyst: B. Maddux

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
R1		R1	48.6	-51.4	45.6	0.0	0.0	0.0		x	Total	5.00	r	6585073.32	2184562.33	5.00
R2		R2	47.5	-52.5	44.5	0.0	0.0	0.0		x	Total	5.00	r	6586635.42	2182498.12	5.00
R3		R3	58.1	-41.9	55.0	0.0	0.0	0.0		x	Total	5.00	r	6587815.97	2184101.16	5.00
R4		R4	58.3	-41.7	55.3	0.0	0.0	0.0		x	Total	5.00	r	6587831.34	2184343.17	5.00
R5		R5	58.6	-41.4	55.5	0.0	0.0	0.0		x	Total	5.00	r	6586989.15	2185845.43	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
Construction1		Construction1	116.6	16.6	16.6	63.2	-36.8	-36.8	PWL-Pt	116.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
Construction1	Construction1	8.00	a			6586454.60	2185732.41	8.00	0.00
						6587700.61	2185758.78	8.00	0.00
						6587724.56	2185735.63	8.00	0.00
						6587722.64	2185247.07	8.00	0.00
						6587722.52	2185177.94	8.00	0.00
						6587714.64	2183918.24	8.00	0.00
						6586425.54	2183897.12	8.00	0.00

Barrier(s)

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates				
							Begin	x	y	z	Ground	
							(ft)	(ft)	(ft)	(ft)	(ft)	

Ground Absorption(s)

Name	Sel.	M.	ID	G	Coordinates	
					x	y
					(ft)	(ft)

Contour(s)

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)

Vertical Area Source(s)

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Rail

Name	Sel.	M.	ID	Lw'		Train Class	Correct.	Vmax
				Day	Night		Track	
				(dBA)	(dBA)		(dB)	(km(mph)

Sound Level Spectra

Name	ID	Type	Oktave Spectrum (dB)											Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	

Roads

Name	Sel.	M.	ID	Lme			Count Data		exact Count Data						Speed Limit		SCS	Surface		Gradient	Mult. Reflection		
				Day	Evening	Night	DTV	Str.class.	M			p (%)			Auto	Truck	Dist.	Dstro	Type		Drefl	Hbuild	Dist.
				(dBA)	(dBA)	(dBA)			Day	Evening	Night	Day	Evening	Night	(mph)	(mph)		(dB)		(%)	(dB)	(ft)	(ft)

RoadsGeo

Name	Height				Coordinates				Dist	LSlope
	Begin		End		x	y	z	Ground	(ft)	(%)
	(ft)		(ft)		(ft)	(ft)	(ft)	(ft)		

Appendix H
Traffic Impact Analysis

URBAN | CROSSROADS

ARMTEC MASTER PLAN

TRAFFIC ANALYSIS

PREPARED BY: Janette Cachola | jcachola@urbanxroads.com
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LIST OF ABBREVIATED TERMS

(1)	Reference
ADT	Average Daily Traffic
CAMUTCD	California Manual on Uniform Traffic Control Devices
Caltrans	California Department of Transportation
EAP	Existing Plus Ambient Plus Project
EAPC	Existing Plus Ambient Plus Project Plus Cumulative
HCM	Highway Capacity Manual
ITE	Institute of Transportation Engineers
LOS	Level of Service
PHF	Peak Hour Factor
Project	Armtec Master Plan
sf	Square Feet
TA	Traffic Analysis

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1 INTRODUCTION

This report presents the results of the traffic analysis (TA) for Armtec Master Plan ("Project"), located at the southwest corner of Tyler Street and Avenue 53 in the City of Coachella, as shown on Exhibit 1-1.

The purpose of this TA is to evaluate the potential circulation system deficiencies that may result from the development of the proposed Project, and recommend improvements to achieve acceptable circulation system operational conditions. This TA has been prepared based in accordance with the County of Riverside's Transportation Analysis Guidelines for Level of Service & Vehicle Miles Traveled (December 2020), as the City of Coachella utilizes the County guidelines. (1) Urban Crossroads, Inc. prepared a traffic study scoping package for review by City staff prior to the preparation of this report. The Scope (included in Appendix 1.1) provides an outline of the Project study area, trip generation, trip distribution, and analysis methodology.

1.1 PROJECT OVERVIEW

The Project is proposed to consist of the expansion of an existing defense technologies facility. It is anticipated that the Project would be operational by year 2026. A preliminary master plan of the proposed Project is shown in Exhibit 1-1. Access to the Project will be provided via the Armtec Entrance, which is an existing full access driveway to Tyler Street (located south of Avenue 53).

The Project total addition to the existing site includes:

- 15,000 SF of Production Facility (Manufacturing)
- 37,800 SF Storage Facilities (Warehousing)
- 3,000 SF of Research & Development

In order to develop the traffic characteristics of the proposed Project, trip-generation rates provided in the *Institute of Transportation Engineers (ITE) Trip Generation* (11th Edition, 2021) are utilized.

The Project is anticipated to generate a total of 169 trip-ends per day with 21 AM peak hour trips and 20 PM peak hour trips. The assumptions and methods used to estimate the Project's trip generation characteristics are discussed in greater detail in Section 4.1 *Project Trip Generation* of this report.

1.2 ANALYSIS SCENARIOS

For the purposes of this traffic study, potential deficiencies to traffic and circulation have been assessed for each of the following conditions:

- Existing (2024) Conditions
- Existing plus Ambient plus Project (EAP) (2026) Conditions
- Existing plus Ambient plus Project plus Cumulative (EAPC) (2026) Conditions

EXHIBIT 1-1: ARMTEC MASTER PLAN



For the existing study area intersections, traffic count data has been collected in January and June, 2024 during the AM peak period of 7:00 AM to 9:00 AM and PM peak period of 4:00 PM to 6:00 PM.

The Existing plus Ambient plus Project (EAP) conditions analysis determines the potential near-term cumulative circulation system deficiencies with the Project but without known cumulative projects. To account for background traffic growth, an ambient growth factor from Existing conditions of 4.04% (2% per year, compounded annually over 2 years) is included for EAP (2026) traffic conditions. The ambient growth is consistent with the growth used by other projects within the City of Coachella.

The Existing plus Ambient plus Project plus Cumulative (EAPC) (2026) traffic conditions analysis determines the potential cumulative circulation system deficiencies, including the Project and other known cumulative projects. The cumulative project list was compiled from information provided by the City of Coachella.

1.3 STUDY AREA

The Project study area was defined in coordination with the City of Coachella. Exhibit 1-2 presents the study area and intersection analysis locations. The intersections listed in Table 1-1 were selected for this TA with City of Coachella technical staff concurrence.

TABLE 1-1: INTERSECTION ANALYSIS LOCATIONS

#	Intersection	#	Intersection
1	Grapefruit Bl. (Hwy. 111) / Tyler St.	4	Grapefruit Bl. (Hwy. 111) / Palm St.
2	Tyler St. / Avenue 53	5	Palm St. / Airport Bl.
3	Tyler St. / Armtec Entrance		

1.4 ANALYSIS FINDINGS

This section provides a summary of the analysis results for Existing (2024), EAP (2026), and EAPC (2026) conditions. Table 1-2 presents a summary of study area LOS conditions for each analysis scenario.

1.4.1 EXISTING (2024) CONDITIONS

For Existing (2024) traffic conditions, study area intersections operate at an acceptable LOS during AM and PM peak hours.

The unsignalized study area intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) meets traffic volume warrants for installation of a traffic signal based upon existing traffic counts.

EXHIBIT 1-2: TRAFFIC ANALYSIS STUDY AREA

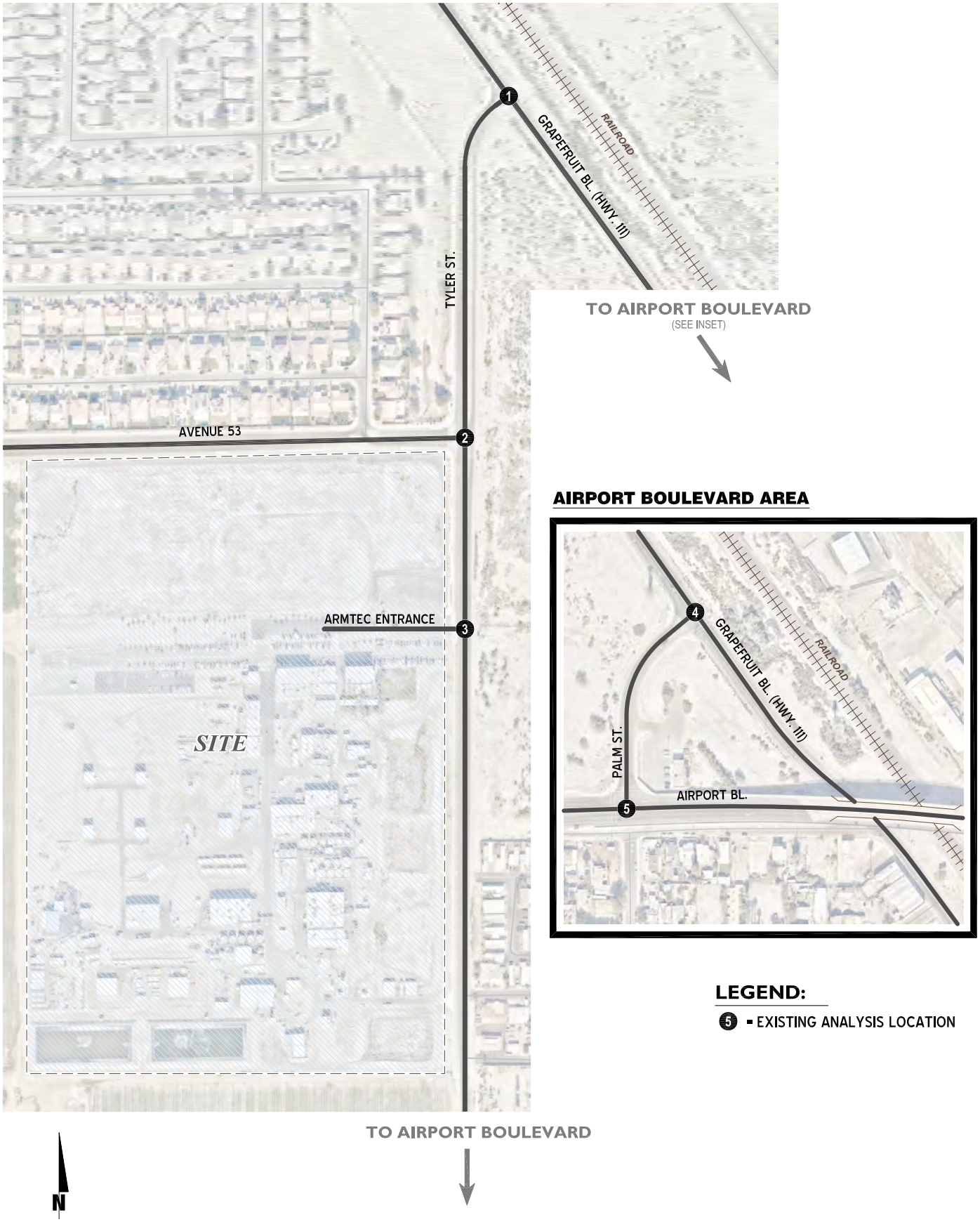


TABLE 1-2: LEVEL OF SERVICE (LOS) SUMMARY

#	Intersection	Existing (2024) AM	Existing (2024) PM	EAP (2026) AM	EAP (2026) PM	EAPC (2026) AM	EAPC (2026) PM
1	Grapefruit Bl. (Hwy. 111) / Tyler St.						
	- With Improvements	N/A	N/A	N/A	N/A		
2	Tyler St. / Avenue 53						
3	Tyler St. / Armtec Entrance						
4	Grapefruit Bl. (Hwy. 111) / Palm St.						
5	Palm St. / Airport Bl.						

Legend:

= A - D = E = F

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Excel\[15967 - Report.xlsx]1-2 - LOS Summary

1.4.2 EXISTING PLUS AMBIENT PLUS PROJECT (EAP) (2026) CONDITIONS

For EAP (2026) traffic conditions, study area intersections continue to operate at an acceptable LOS during peak hours. For EAP conditions, no additional study area intersections meet the volume warrants for installation of a traffic signal (beyond the Tyler Street at Grapefruit Boulevard / Highway 111 intersection, which meets volume warrants for a signal based upon existing counts).

1.4.3 EXISTING PLUS AMBIENT PLUS PROJECT PLUS CUMULATIVE (EAPC) (2026) CONDITIONS

For EAPC (2026) traffic conditions, the study area intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) is found to operate at an unacceptable LOS (i.e., LOS "E" or worse) during peak hours, without installation of the traffic signal that is currently warranted for existing conditions. For EAPC conditions, no additional study area intersections meet the volume warrants for installation of a traffic signal (beyond the Tyler Street at Grapefruit Boulevard / Highway 111 intersection, which meets volume warrants for a signal based upon existing counts).

The traffic signal improvement discussed in Section 7.1 for the off-site intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) addresses intersection operational deficiencies for EAPC (2026) conditions.

Detailed Project fair share calculations, for each peak hour, are provided in Table 7-1 for this intersection.

Site-adjacent improvements included in the Project description are also listed Section 7.2.

1.4.4 VEHICLE MILES TRAVELED (VMT) SCREENING

A VMT screening assessment of Armtec Master Plan is documented in Section 7.3. The small project screening criteria is met, so a full analysis of VMT associated with site employment is not required. The Project is presumed to have a less than significant impact on VMT.

2 METHODOLOGIES

This section of the report presents the methodologies used to perform the traffic analyses summarized in this report. The methodologies described are consistent with the County of Riverside TIA Guidelines. (1)

2.1 LEVEL OF SERVICE

Traffic operations of roadway facilities are described using the term "Level of Service" (LOS). LOS is a qualitative description of traffic flow based on several factors, such as speed, travel time, delay, and freedom to maneuver. Six levels are typically defined ranging from LOS A, representing completely free-flow conditions, to LOS F, representing breakdown in flow resulting in stop-and-go conditions. LOS E represents operations at or near Capacity, an unstable level where vehicles are operating with the minimum spacing for maintaining uniform flow.

2.2 INTERSECTION CAPACITY ANALYSIS

The definitions of LOS for interrupted traffic flow (flow restrained by the existence of traffic signals and other traffic control devices) differ slightly depending on the type of traffic control. The LOS is typically dependent on the quality of traffic flow at the intersections along a roadway. The 7th Edition Highway Capacity Manual (HCM) methodology expresses the LOS at an intersection in terms of delay time for the various intersection approaches. (2)The HCM uses different procedures depending on the type of intersection control.

2.2.1 SIGNALIZED INTERSECTIONS

The City of Coachella requires signalized intersection operations analysis based on the methodology described in the HCM. (2) Intersection LOS operations are based on an intersection's average control delay. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. For signalized intersections LOS is related to the average control delay per vehicle and is correlated to a LOS designation as described on Table 2-1.

The traffic modeling and signal timing optimization software package Synchro (Version 11) has been utilized to analyze signalized intersections. Synchro is a macroscopic traffic software program that is based on the signalized intersection capacity analysis as specified in the HCM. Macroscopic level models represent traffic in terms of aggregate measures for each movement at the study intersections. Equations are used to determine measures of effectiveness such as delay and queue length. The level of service and Capacity analysis performed by Synchro takes into consideration optimization and coordination of signalized intersections within a network.

The peak hour traffic volumes are adjusted using a peak hour factor (PHF) to reflect peak 15-minute volumes. Common practice for LOS analysis is to use a peak 15-minute rate of flow. However, flow rates are typically expressed in vehicles per hour.

The PHF is the relationship between the peak 15-minute flow rate and the full hourly volume (e.g. PHF = [Hourly Volume] / [4 x Peak 15-minute Flow Rate]). The use of a 15-minute PHF produces a more detailed analysis as compared to analyzing vehicles per hour. Existing PHFs have been used for all analysis scenarios. Per the HCM, PHF values over 0.95 often are indicative of high traffic volumes with capacity constraints on peak hour flows while lower PHF values are indicative of greater variability of flow during the peak hour. (2)

TABLE 2-1: SIGNALIZED INTERSECTION LOS THRESHOLDS

Description	Average Control Delay (Seconds), V/C ≤ 1.0	Level of Serice, V/C ≤ 1.0[1]
Operations with very low delay occurring with favorable progression and/or short cycle length.	0 to 10.00	A
Operations with low delay occurring with good progression and/or short cycle lengths.	10.01 to 20.00	B
Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear.	20.01 to 35.00	C
Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop and indvidual cycle failures are noticeable.	35.01 to 55.00	D
Operations with high delay values indicating poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay.	55.01 to 80.00	E
Operation with delays unacceptable to most drivers occurring due to over saturation, poor progression, or very long cycle lengths.	80.01 and up	F

Source: HCM, 7th Edition

[1] if V/C is greater than 1.0 then LOS is F per HCM

2.2.2 UNSIGNALIZED INTERSECTIONS

The City of Coachella requires the operations of unsignalized intersections be evaluated using the methodology described in the HCM. (2) The LOS rating is based on the weighted average control delay expressed in seconds per vehicle (see Table 2-2). At two-way or side-street stop-controlled intersections, LOS is calculated for each controlled movement and for the left turn movement from the major street, as well as for the intersection as a whole. For approaches composed of a single lane, the delay is computed as the average of all movements in that lane. Delay for the intersection is reported for the worst individual movement at a two-way stop-controlled intersection.

TABLE 2-2: UNSIGNALIZED INTERSECTION LOS THRESHOLDS

Description	Average Control Delay (Seconds), V/C ≤ 1.0	Level of Serice, V/C ≤ 1.0[1]
Little or no delays.	0 to 10.00	A
Short traffic delays.	10.01 to 15.00	B
Average traffic delays.	15.01 to 25.00	C
Long traffic delays.	25.01 to 35.00	D
Very long traffic delays.	35.01 to 50.00	E
Extreme traffic delays with intersections capacity exceeded.	>50.00	F

Source: HCM, 7th Edition

[1] if V/C is greater than 1.0 then LOS is F per HCM

2.3 TRAFFIC SIGNAL WARRANT ANALYSIS METHODOLOGY

The term "signal warrants" refers to the list of established criteria used by Caltrans and other public agencies to quantitatively justify or determine the potential need for installation of a traffic signal at an otherwise unsignalized intersection. This TA uses the signal warrant criteria presented in the latest edition of the Caltrans California Manual on Uniform Traffic Control Devices (CA MUTCD). (3)

The signal warrant criteria for Existing study area intersections are based upon several factors, including volume of vehicular and pedestrian traffic, frequency of accidents, and location of school areas. The CA MUTCD indicates that the installation of a traffic signal should be considered if one or more of the signal warrants are met. (3) Specifically, this TA utilizes the Peak Hour Volume-based Warrant 3 as the appropriate representative traffic signal warrant analysis for existing traffic conditions and for all future analysis scenarios for existing unsignalized intersections. Warrant 3 is appropriate to use for this TA because it provides specialized warrant criteria for intersections with rural characteristics. For the purposes of this study, the speed limit was the basis for determining whether Urban or Rural warrants were used for a given intersection. Urban warrants have been used as posted speed limits on the major roadways with unsignalized intersections are 40 miles per hour or below and rural warrants have been used on roadways with speeds greater than 40 miles per hour.

Future intersections that do not currently exist have been assessed regarding the potential need for new traffic signals based on future average daily traffic (ADT) volumes, using the Caltrans planning level ADT-based signal warrant analysis worksheets. Similarly, the speed limit has been used as the basis for determining the use of Urban and Rural warrants.

Traffic signal warrant analyses were performed for the following unsignalized study area intersections shown in Table 2-3:

TABLE 2-3: TRAFFIC SIGNAL WARRANT ANALYSIS LOCATIONS

#	Intersection	#	Intersection
1	Grapefruit Bl. (Hwy. 111) / Tyler St.	3	Tyler St. / Armtec Entrance
2	Tyler St. / Avenue 53		

The Existing conditions traffic signal warrant analysis is presented in the subsequent section, Section 3 *Area Conditions* of this report. The traffic signal warrant analyses for future conditions are presented in Section 5 EAP *(2026) Traffic Conditions* and Section 6 *EAPC (2026) Traffic Conditions* of this report.

It is important to note that a signal warrant defines the minimum condition under which the installation of a traffic signal might be warranted. Meeting this threshold condition does not require that a traffic control signal be installed at a particular location, but rather, that other traffic factors and conditions be evaluated in order to determine whether the signal is truly justified. It should also be noted that signal warrants do not necessarily correlate with LOS. An intersection may satisfy a signal warrant condition and operate at or above acceptable LOS or operate below acceptable LOS and not meet a signal warrant.

2.4 MINIMUM ACCEPTABLE LEVELS OF SERVICE (LOS)

For the purposes of this analysis, the following thresholds of significance have been applied to study area intersections located within the City of Coachella to identify significant impacts through a comparison of Existing and EAP traffic conditions:

- If an intersection is projected to operate at an acceptable level of service (i.e., LOS D or better) under Existing traffic conditions and the addition of project traffic is expected to cause the intersection to operate at an unacceptable level of service (LOS E or F), the impact is considered significant;
- If an intersection is projected to operate at LOS E or LOS F under Existing, and the addition of project traffic, the impact is considered significant.

Cumulative traffic impacts are deficiencies that are not directly caused by the Project, but occur as a result of regional growth combined with that or other nearby cumulative development projects. The Project's contribution to a particular cumulative transportation deficiency is deemed cumulatively considerable if the Project adds significant traffic to the forecasted deficiency. A Project's contribution to a cumulatively considerable impact can be reduced to less than significant if the Project is required to implement or fund its fair share of improvements designed to alleviate the potential cumulative impact. If full funding of future cumulative improvements is not reasonably assured, a temporary unmitigated cumulative impact may occur until the needed improvement is fully funded and constructed.

3 AREA CONDITIONS

This section provides a summary of the existing circulation network, the City of Coachella General Plan Circulation Network, and a review of existing peak hour intersection operations and traffic signal warrant analyses.

3.1 EXISTING CIRCULATION NETWORK

Pursuant to the Project scope (Appendix 1.1), the study area includes 5 existing intersections as shown previously on Exhibit 1-2, which have been agreed upon with City staff. Exhibit 3-1 illustrates the number of through traffic lanes for existing roadways and traffic controls for study area intersections.

3.2 CITY OF COACHELLA GENERAL PLAN CIRCULATION ELEMENT

As noted previously, the Project site is located at the southwest corner of Tyler Street and Avenue 53 in the City of Coachella. Exhibit 3-2 shows the City of Coachella General Plan Circulation Element, with planned roadway classifications. Exhibit 3-3 illustrates the City of Coachella General Plan roadway cross-sections.

Tyler Street is classified as a Primary Arterial with Bicycle Facility in the study area.

Grapefruit Boulevard is classified as a Major Arterial with Bicycle Facility in the study area.

Avenue 53 is classified as a Collector with Bicycle Facility in the study area.

Airport Boulevard is classified as a Major Arterial with Bicycle Facility in the study area.

3.3 TRANSIT SERVICE

The City of Coachella is currently served by the SunLine Transit Agency; currently, Route 8 is located along Airport Boulevard in the study area. Transit service is reviewed and updated by Sunline periodically to address ridership, budget and community demand needs. Changes in land use can affect these periodic adjustments which may lead to either enhanced or reduced service where appropriate.

3.4 PEDESTRIAN AND BICYCLE FACILITIES

The existing pedestrian facilities within the study area are shown on Exhibit 3-4. As shown on Exhibit 3-4, existing on-street bike lanes are located along the west side of Tyler Street from Grapefruit Boulevard to Avenue 53. Sidewalks exist along the west side of Tyler Street from Grapefruit Boulevard to Armtec Entrance, the southwest side of Grapefruit Boulevard north of Tyler Street, and on Airport Boulevard from west of Palm Street to east of Grapefruit Boulevard. A bike lane is currently existing along the west side of Tyler Street from Grapefruit Boulevard to Avenue 53, the southwest side of Grapefruit Boulevard north of Tyler Street, and both sides on Avenue 53 east of Tyler Street.

EXHIBIT 3-1: EXISTING NUMBER OF THROUGH LANES AND INTERSECTION CONTROLS

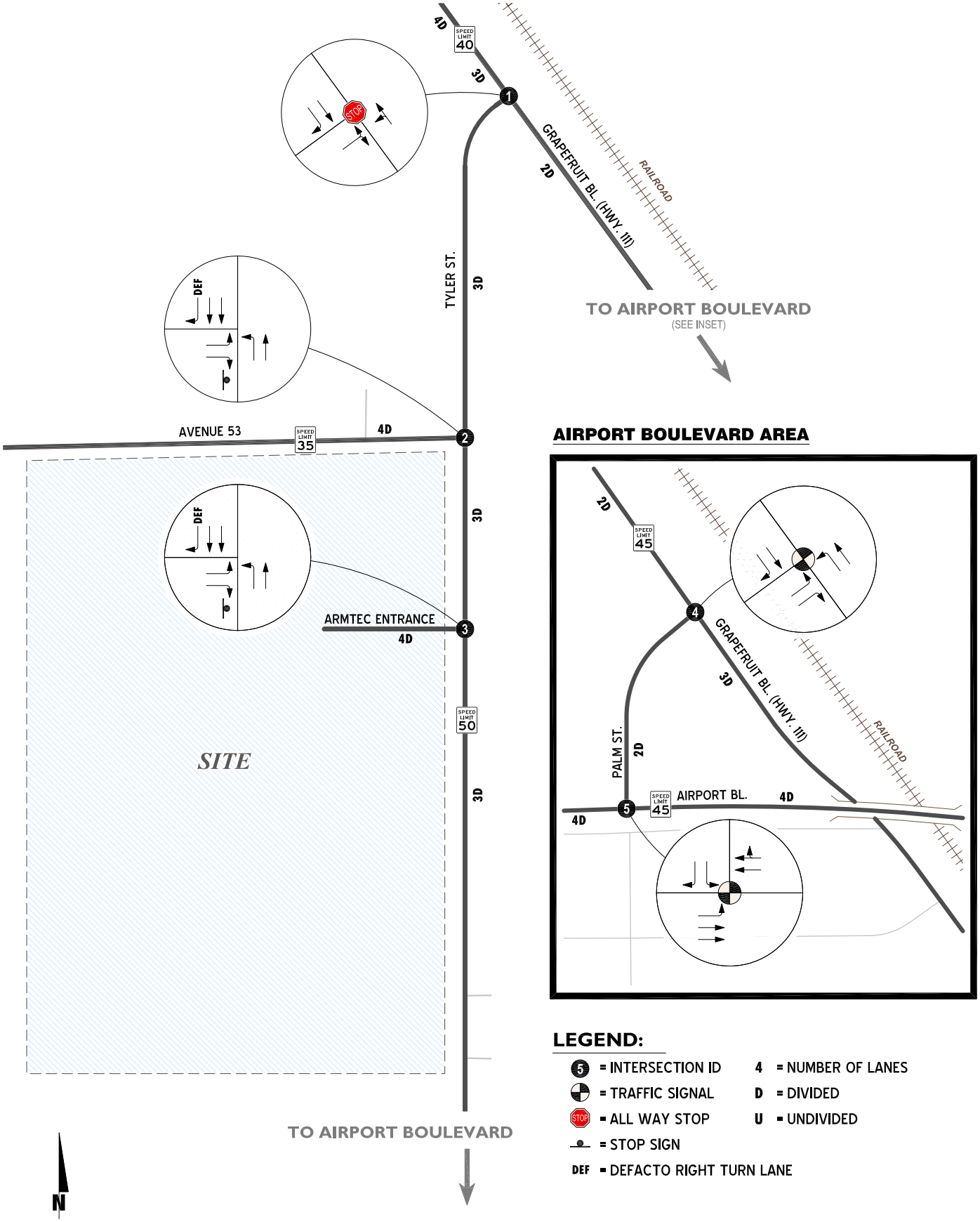
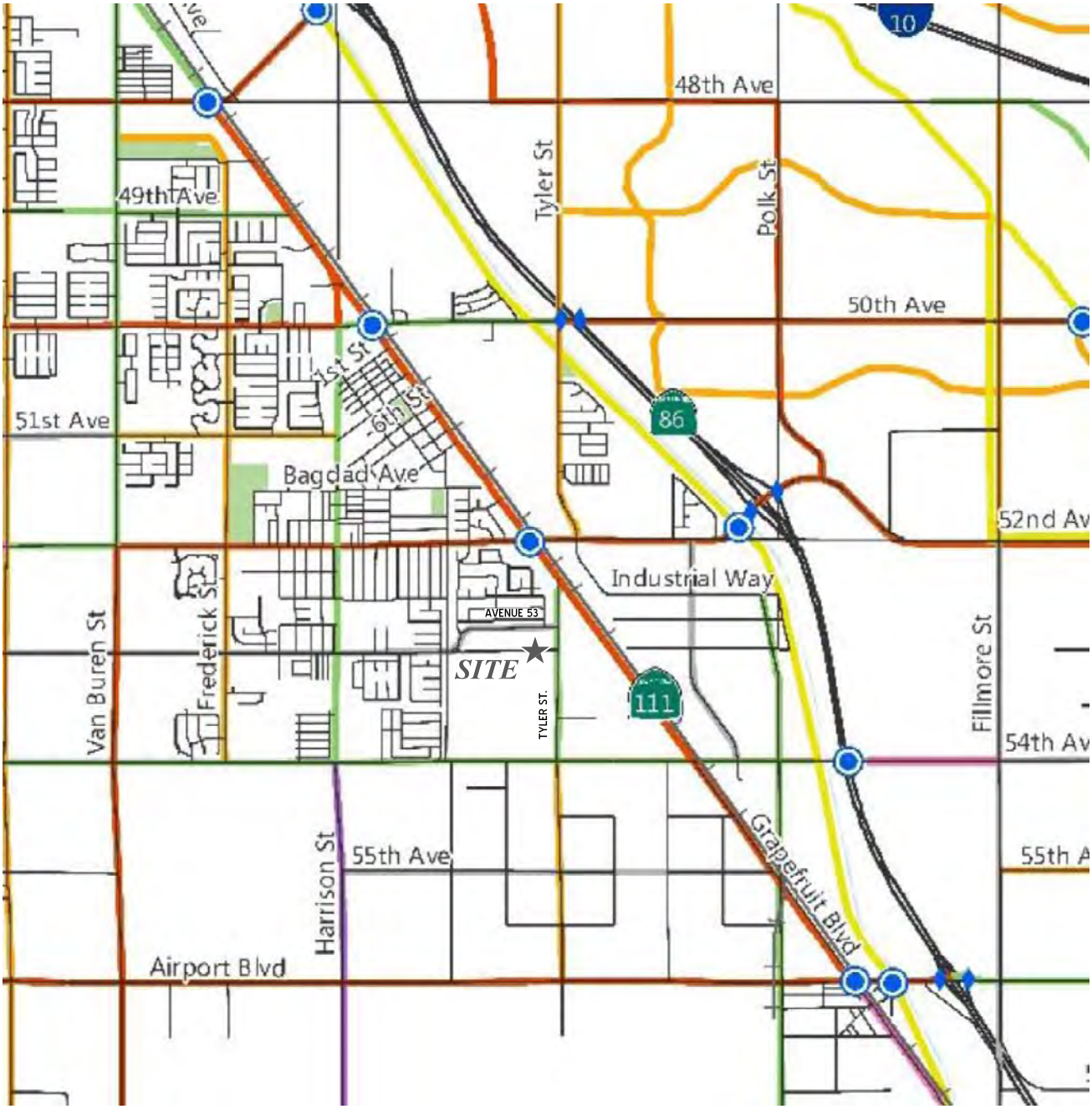


EXHIBIT 3-2: CITY OF COACHELLA GENERAL PLAN CIRCULATION ELEMENT



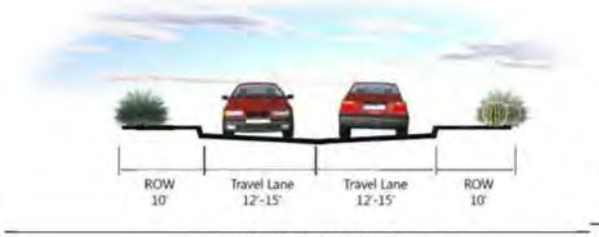
SOURCE: CITY OF COACHELLA

N

LEGEND:

3 = EXISTING ANALYSIS LOCATION

EXHIBIT 3-3: CITY OF COACHELLA GENERAL PLAN ROADWAY CROSS-SECTIONS



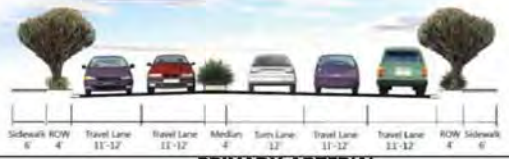
COUNTRY ROAD



MAJOR ARTERIAL



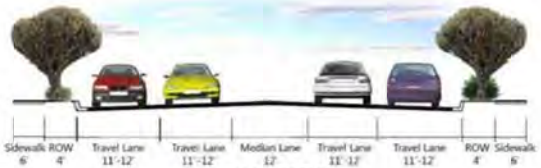
MAJOR ARTERIAL WITH ENHANCED BICYCLE FACILITIES



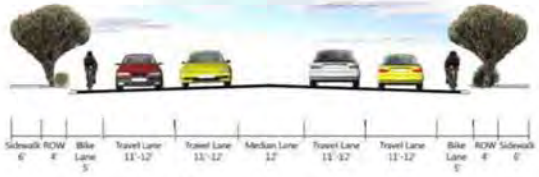
PRIMARY ARTERIAL



PRIMARY ARTERIAL WITH ENHANCED BICYCLE FACILITIES



COLLECTOR



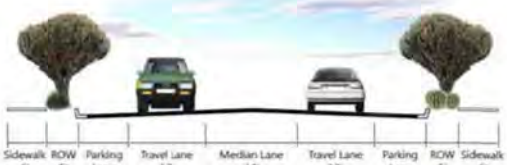
COLLECTOR WITH ENHANCED BICYCLE FACILITIES



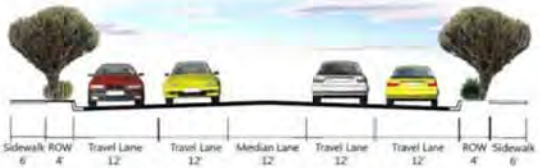
SURURBAN RESIDENTIAL WITH PARKING



URBAN RESIDENTIAL WITH PARKING



LOCAL INDUSTRIAL STREET



INDUSTRIAL COLLECTOR

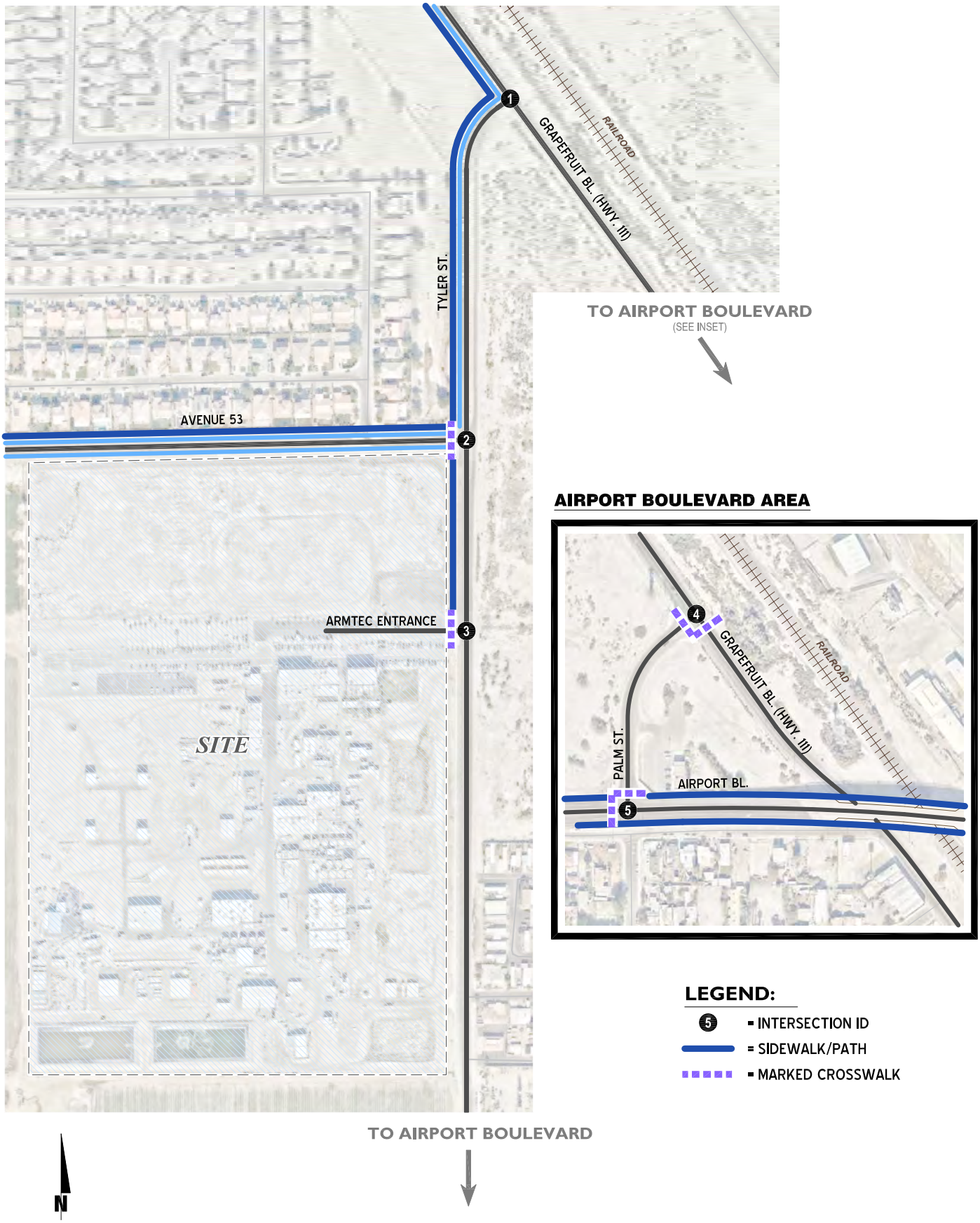


URBAN STREET 2-LANE



URBAN STREET 4-LANE

EXHIBIT 3-4: EXISTING PEDESTRIAN AND BIKE FACILITIES



3.5 EXISTING (2024) TRAFFIC COUNTS

The intersection LOS analysis is based on the traffic volumes observed during the peak hour conditions using traffic count data collected in January and June, 2024. The City of Coachella experiences seasonal population variations over the course of the year, with relatively higher populations during the winter months from January to the end of March. To compensate for the discrepancy, counts not taken during this peak winter period (January 2 to March 31) require seasonal adjustments. A 15% increase is applied to counts taken in June to estimate peak season. This factor is consistent with other nearby jurisdictions within the Coachella Valley area.

The following peak hours were selected for analysis:

- Weekday AM Peak Hour (peak hour between 7:00 AM and 9:00 AM)
- Weekday PM Peak Hour (peak hour between 4:00 PM and 6:00 PM)

The raw manual peak hour turning movement traffic count data sheets are included in Appendix 3.1.

The weekday AM and PM peak hour count data are representative of typical peak hour traffic conditions in the study area. There were no observations made in the field that would indicate atypical traffic conditions on the count dates, such as construction activity that would prevent or limit roadway access and detour routes. These raw turning volumes have been flow conserved between intersections with limited access, no access and where there are currently no uses generating traffic. Existing weekday peak hour intersection volumes are shown on Exhibit 3-5.

Existing weekday ADT volumes are also shown on Exhibit 3-5. Where actual 24-hour tube count data was not available, Existing ADT volumes were based upon factored intersection peak hour counts collected by Urban Crossroads, Inc. using the following formula for each intersection leg:

Weekday PM Peak Hour (Approach Volume + Exit Volume) x 11.905 = Leg Volume

A comparison of the PM peak hour and daily traffic volumes of various roadway segments within the study area indicated that the peak-to-daily relationship is approximately 8.40 percent. As such, the above equation utilizing a factor of 11.905 estimates the ADT volumes on the study area roadway segments assuming a peak-to-daily relationship of approximately 8.40 percent (i.e., 1/0.0840 = 11.905) and was assumed to sufficiently estimate average daily traffic (ADT) volumes for planning-level analyses.

3.6 INTERSECTION OPERATIONS ANALYSIS

Existing peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2.2 *Intersection Capacity Analysis* of this report. The intersection operations analysis results are summarized on Table 3-1, which indicates that no study area intersections operate at unacceptable LOS (LOS "E" or worse). The intersection operations analysis worksheets are included in Appendix 3.2 of this TA.

EXHIBIT 3-5: EXISTING (2024) TRAFFIC VOLUMES

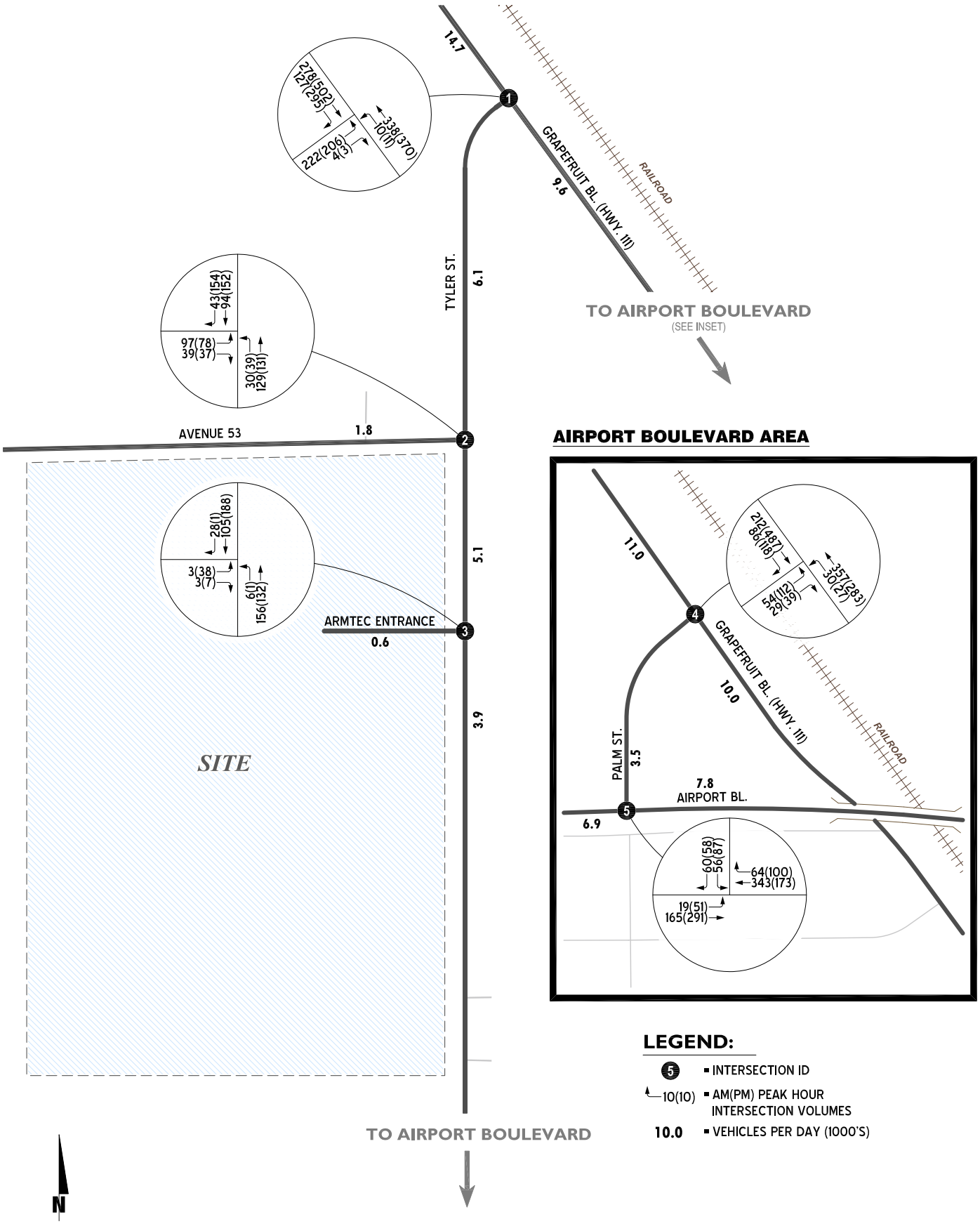


TABLE 3-1: INTERSECTION ANALYSIS FOR EXISTING (2024) CONDITIONS

#	Intersection	Traffic Control[1]	Intersection Approach Lanes[2]												Delay[3] (secs.)		Level of Service	
			Northbound			Southbound			Eastbound			Westbound						
			L	T	R	L	T	R	L	T	R	L	T	R	AM	PM	AM	PM
1	Grapefruit Bl. (Hwy. 111) / Tyler St.	AWS	0.5	0.5	0	0	1	1	0	1!	0	0	0	0	15.7	27.9	C	D
2	Tyler St. / Avenue 53	CSS	1	1	0	0	2	d	1	0	1	0	0	0	11.9	13.7	B	B
3	Tyler St. / Armtec Entrance	CSS	1	1	0	0	2	d	1	0	1	0	0	0	10.5	11.4	B	B
4	Grapefruit Bl. (Hwy. 111) / Palm St.	TS	1	1	0	0	1	1	1	0	1	0	0	0	7.1	9.1	A	A
5	Palm St. / Airport Bl.	TS	0	0	0	1	0	1	1	2	0	0	2	0	11.8	12.4	B	B

[1] TS = Traffic Signal; CSS = Cross-street Stop; AWS = All-way-stop

[2] When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; d = Defacto Right Turn Lane; 0.5 = Shared Lane; 1! = Shared Left/Through/Right lane

[3] Per the Highway Capacity Manual (7th Edition), overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. Delay and level of service is calculated using Synchro 12 analysis software.

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3.7 TRAFFIC SIGNAL WARRANTS ANALYSIS

Traffic signal warrants for Existing traffic conditions are based on 2024 peak hour intersection turning volumes (see Appendix 3.3). For Existing (2024) traffic conditions, the unsignalized study area intersection of Grapefruit Boulevard at Highway 111 currently meets traffic volume warrants for installation of a traffic signal.

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4 PROJECTED FUTURE TRAFFIC

This section presents the traffic volumes estimated to be generated by the Project, as well as the Project's trip assignment onto the study area roadway network. The Project is proposed to consist of the expansion of an existing defense technologies facility.

The project includes the construction of new and expanded buildings within the existing footprint of the Armtec facility, which occupies the southwest corner of the intersection of Tyler Street at Avenue 53. The facility consists of two parcels totaling approximately 52.65 acres in size, identified by assessor's parcel numbers (APNs) 778-420-013 (14.96 acres) and 778- 390-008 (37.69 acres) located at 85091 Avenue 53.

Pursuant to the City's 2035 General Plan, the land use designation of the northern parcel (APN: 778- 420-013) is "Industrial District," while the southern parcel (APN: 778-390-008) is "Public Facilities". The underlying zoning for the north parcel is Urban Employment (U-E), whereas the south parcel is zoned as Heavy Industrial (M-H).

On the northern parcel (APN: 778-420-013), north of the Armtec entry at Tyler Street, a new 15,000 SF warehouse will be constructed for storage purposes, adjacent to a truck staging area. This facility will remain unoccupied except when goods are moved in and out.

Armtec's existing operations, utilized for industrial and manufacturing purposes, are located on the southern parcel (APN: 778-390-008). South of the Armtec entry at Tyler Street, the Project will include the construction of:

- A 3,000 SF facility, focusing on research and development activities;
- A 15,000 SF production/manufacturing facility
- Storage facilities (warehousing):
    - A new 15,000 SF warehouse
    - Two new storage buildings of 900 SF each
    - A 6,000 SF warehouse expansion.

The Project total addition to the existing site includes:

- 15,000 SF of Production Facility (Manufacturing)
- 37,800 SF Storage Facilities (Warehousing)
- 3,000 SF of Research & Development

The project description incorporates the following adjacent improvements:

- Expansion of vehicle lanes on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of concrete curbing on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of a 5-foot sidewalk on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of a 5-foot sidewalk along a separate parcel owned by Armtec (APN: 778-420- 014) that is west of the northern parcel, currently not a part of the Armtec campus and is leased to the City for its use as a soccer park.

It is anticipated that the Project will be operational by year 2026. Access to the Project will be provided via the Armtec Entrance, which is an existing full access driveway to Tyler Street (located south of Avenue 53).

4.1 PROJECT TRIP GENERATION

Trip generation represents the amount of traffic which is both attracted to and produced by a development. Determining traffic generation for a specific project is therefore based upon forecasting the amount of traffic that is expected to be both attracted to and produced by the specific land uses being proposed for a given development.

In order to develop the traffic characteristics of the proposed project, the trip generation rates provided in the *Institute of Transportation Engineers (ITE) Trip Generation* (11th Edition, 2021) have been utilized (4).

Table 4-1 shows the vehicle trip generation rates for the Project, as well as the vehicle trip generation summary with daily and peak hour trip generation estimates. As shown on Table 4-1, the Project is anticipated to generate a total of 169 trip-ends per day with 21 AM peak hour trips and 20 PM peak hour trips.

4.2 PROJECT TRIP DISTRIBUTION

The Project trip distribution and assignment process represents the directional orientation of traffic to and from the Project site. The trip distribution pattern is heavily influenced by the geographical location of the site, the location of surrounding uses, and proximity to the surrounding highway network. Trip distribution patterns proposed for the Project are illustrated on Exhibit 4-1.

4.3 MODAL SPLIT

The potential for Project trips to be reduced by the use of public transit, walking or bicycling have not been included as part of the Project's estimated trip generation. Essentially, the Project's traffic projections are "conservative" in that these alternative travel modes would reduce the forecasted traffic volumes.

TABLE 4-1: PROJECT TRIP GENERATION SUMMARY

Trip Generation Rates[1]

Land Use	ITE LU Code	Quantity[2]		AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Warehousing	150	37.8	TSF	0.13	0.04	0.17	0.05	0.13	0.18	1.71
Manufacturing	140	15	TSF	0.52	0.16	0.68	0.23	0.51	0.74	4.75
Research and Development Center	760	3	TSF	0.84	0.19	1.03	0.16	0.82	0.98	11.08

Trip Generation Results

Land Use	ITE LU Code	Quantity[2]		AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Warehousing	150	37.8	TSF	5	2	7	2	5	7	65
Manufacturing	140	15	TSF	8	2	10	3	8	11	71
Research and Development Center	760	3	TSF	3	1	4	0	2	2	33
TOTAL				**16**	**5**	**21**	**5**	**15**	**20**	**169**

[1] Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 11th Edition (2021).
[2] TSF = Thousand Square Feet

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4.4 PROJECT TRIP ASSIGNMENT

The assignment of traffic from the Project area to the adjoining roadway system is based upon the Project trip generation, trip distribution, and the arterial highway and local street system improvements that would be in place by the time of initial occupancy of the Project. Based on the identified Project traffic generation and trip distribution patterns, Project weekday ADT and weekday peak hour intersection turning movement volumes are shown on Exhibit 4-2.

4.5 BACKGROUND TRAFFIC

Future year traffic forecasts have been based upon background (ambient) growth at 2% per year for 2026 traffic conditions. The total ambient growth is 4.04% for 2026 traffic conditions. This ambient growth rate is added to existing traffic volumes to account for area-wide growth not reflected by cumulative development projects. Ambient growth has been added to daily and peak hour traffic volumes on surrounding roadways, in conjunction with traffic generated by the development of future projects that have been approved but not yet built and/or for which development applications have been filed and are under consideration by governing agencies.

Exhibit 4-3 illustrates the cumulative development location map. The cumulative projects listed are those that would generate traffic and would contribute traffic to study area intersections. A summary of cumulative development projects and their proposed land uses are shown on Table 4-2. If applicable, the traffic generated by individual cumulative projects was manually added to the EAP forecasts to ensure that traffic generated by the listed cumulative development projects on Table 4-2 are reflected as part of the background traffic.

The near-term traffic analysis includes the following traffic conditions, with the various traffic components:

- EAP (2026)
  - Existing (2024) volumes
  - Ambient growth traffic (4.04% over 2 years)
  - Project traffic
- EAPC (2026)
  - Existing (2024) volumes
  - Ambient growth traffic (4.04% over 2 years)
  - Project traffic
  - Cumulative development traffic

EXHIBIT 4-1: PROJECT TRIP DISTRIBUTION

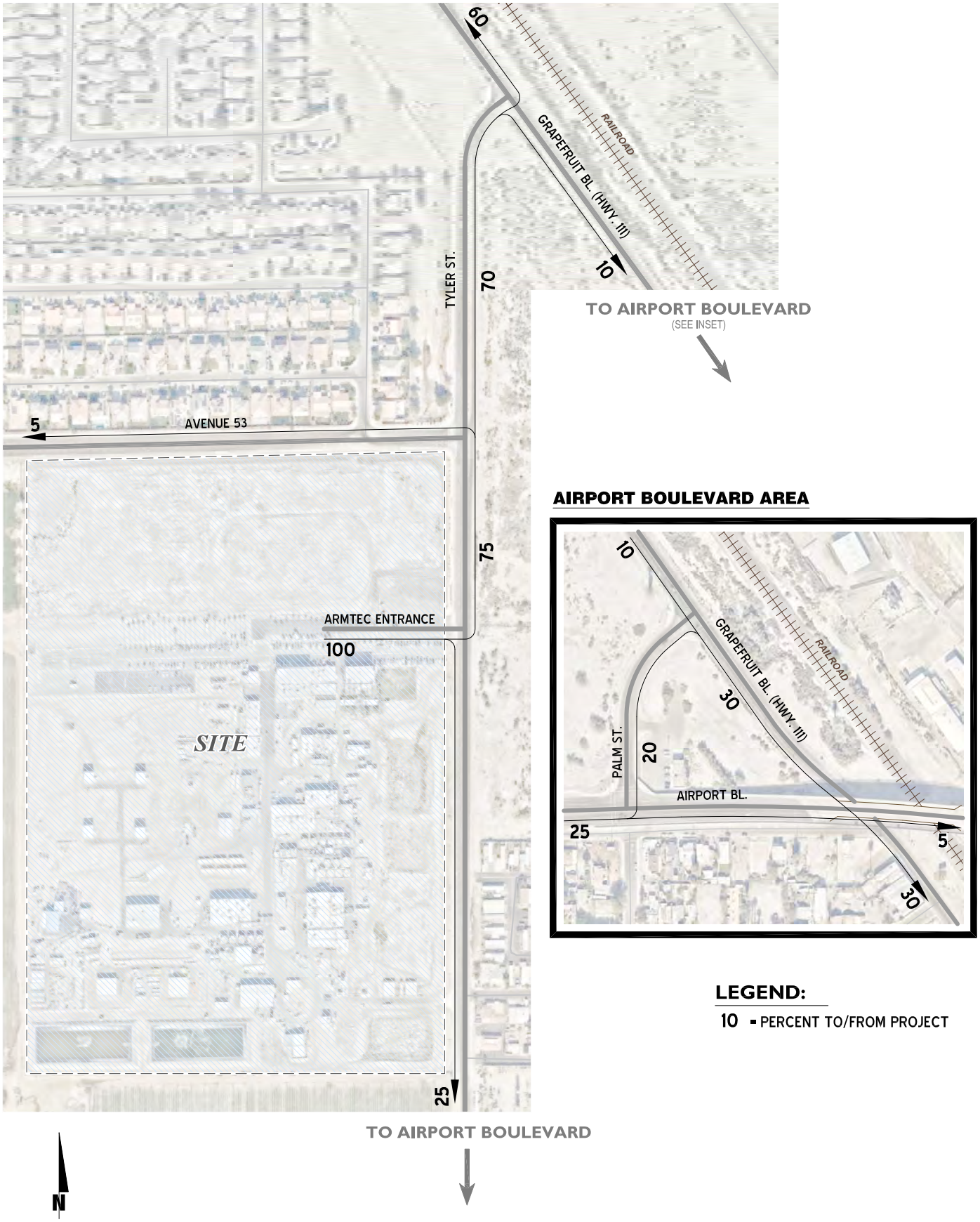


EXHIBIT 4-2: PROJECT ONLY TRAFFIC VOLUMES

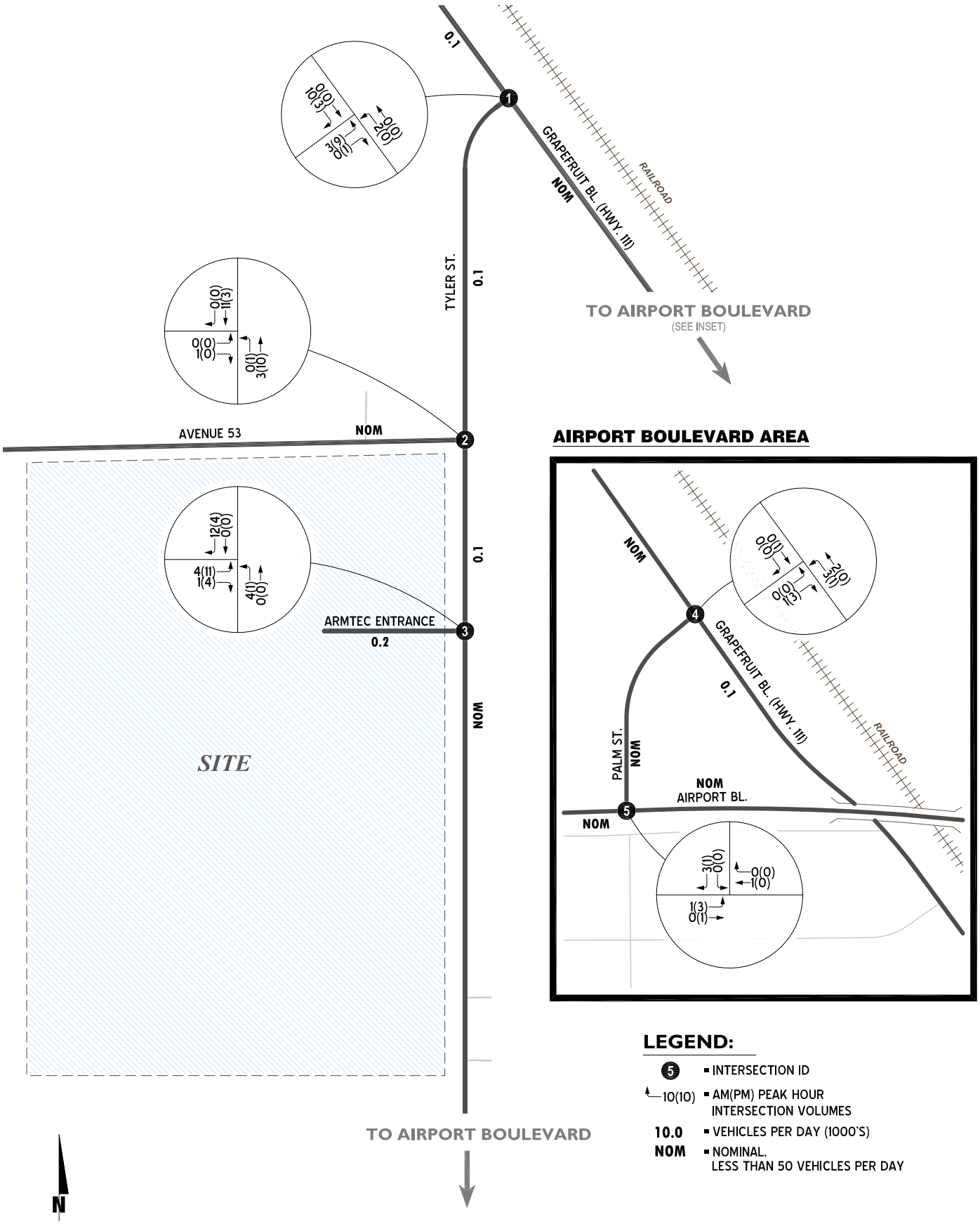


EXHIBIT 4-3: CUMULATIVE DEVELOPMENT LOCATION MAP



LEGEND:

= CUMULATIVE DEVELOPMENT ID
(SEE TABLE 2 FOR REFERENCE)

N

TABLE 4-2: CUMULATIVE DEVELOPMENT LAND USE SUMMARY

TAZ	Project	Land Use	Quantity	Units[1]
1	Coachella Residences	Single Family Residential	188	DU
2	JJWR Industrial	Industrial Building (Warehouse, office, and RV Storage)	51.50	TSF
3	HOTN/Sinsemilla Dispensary & Pub	Retail Cannabis	1.839	TSF
		Bar/Pub	1.432	TSF
4	Fountainhead Plaza (NEC 1st St. & Cesar Chavez St.)	Supermarket	20.422	TSF
		Fast-Food Restaurant	2.6	TSF
		Coffee Shop w/ Restaurant	2.1	TSF
5	Placita Dolores Huerta	Multifamily Residential	110	DU
6	Glenroy Hotel Project	Resort casitas/bungalows	620	RM
		Hotel	130	RM
		Restaurant	3.6	TSF
		Retail Cannabis	3.12	TSF
		General Store	2.5	TSF
		Coffee shop with drive thru	2.5	TSF
7	Rancho Flores 2	Single Family Residential	124	DU
8	Mariposa Pointe	Single Family Residential	155	DU
9	Polo Community	Senior & Single Family Residential	560	DU
10	Bellissima (Tract 31978)	Single Family Residential	111	DU
11	Coachella Airport Business Park[2]	**2027 (Phase I) Land Uses:**		
		Industrial Park	204.8	TSF
		Self Storage	63.7	TSF
		Fast Food Restaurant w/ DT	4.65	TSF
		Service Station with Convenience Store	10	VFP
		2045 (Phase I to III) Land Uses:		
		Industrial Park	486.9	TSF
		Self Storage	128.6	TSF
		Fast Food Restaurant w/ DT	4.65	TSF
		Service Station with Convenience Store	10	VFP

[1] DU = Dwelling Units; TSF = Thousand Square Feet; RM = Rooms; VFP = Vehicle Fueling Position

[2] For purposes of 2026 analysis conditions, the 2027 (Phase I) land uses of the Coachella Airport Business Park are utilized.

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5 EAP (2026) TRAFFIC CONDITIONS

This section discusses the traffic forecasts for Existing plus Ambient plus Project (EAP) conditions and the resulting intersection operations and traffic signal warrant analyses.

The lane configurations and traffic controls assumed to be in place for EAP (2026) conditions are consistent with those shown previously on Exhibit 3-1, with the exception driveways and those facilities assumed to be constructed by the project to provide site access are assumed to be in place for EAP (2026) conditions (e.g., intersection and roadway improvements at the projects' frontage and driveways).

5.1 EAP TRAFFIC VOLUME FORECASTS

This scenario includes Existing traffic volumes plus an ambient growth factor of 4.04% and the addition of project traffic.

The weekday ADT and weekday peak hour intersection turning movement volumes which can be expected for EAP (2026) traffic conditions are shown on Exhibit 5-1.

5.2 INTERSECTION OPERATIONS ANALYSIS

EAP peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2 Methodologies of this TA.

The intersection analysis results summarized in Table 5-1, indicate that study area intersections continue to operate at an acceptable LOS during peak hours under EAP conditions without improvements.

The intersection operations analysis worksheets for EAP traffic conditions are included in Appendix 5.1 of this TA.

5.3 TRAFFIC SIGNAL WARRANTS ANALYSIS

The traffic signal warrant analysis for EAP (2026) traffic conditions provided in Appendix 3.3. For EAP conditions, no additional study area intersections meet the volume warrants for installation of a traffic signal (beyond the Tyler Street at Grapefruit Boulevard / Highway 111 intersection, which meets volume warrants for a signal based upon existing counts) (see Appendix 3.3).

EXHIBIT 5-1: EXISTING PLUS AMBIENT PLUS PROJECT (2024) TRAFFIC VOLUMES

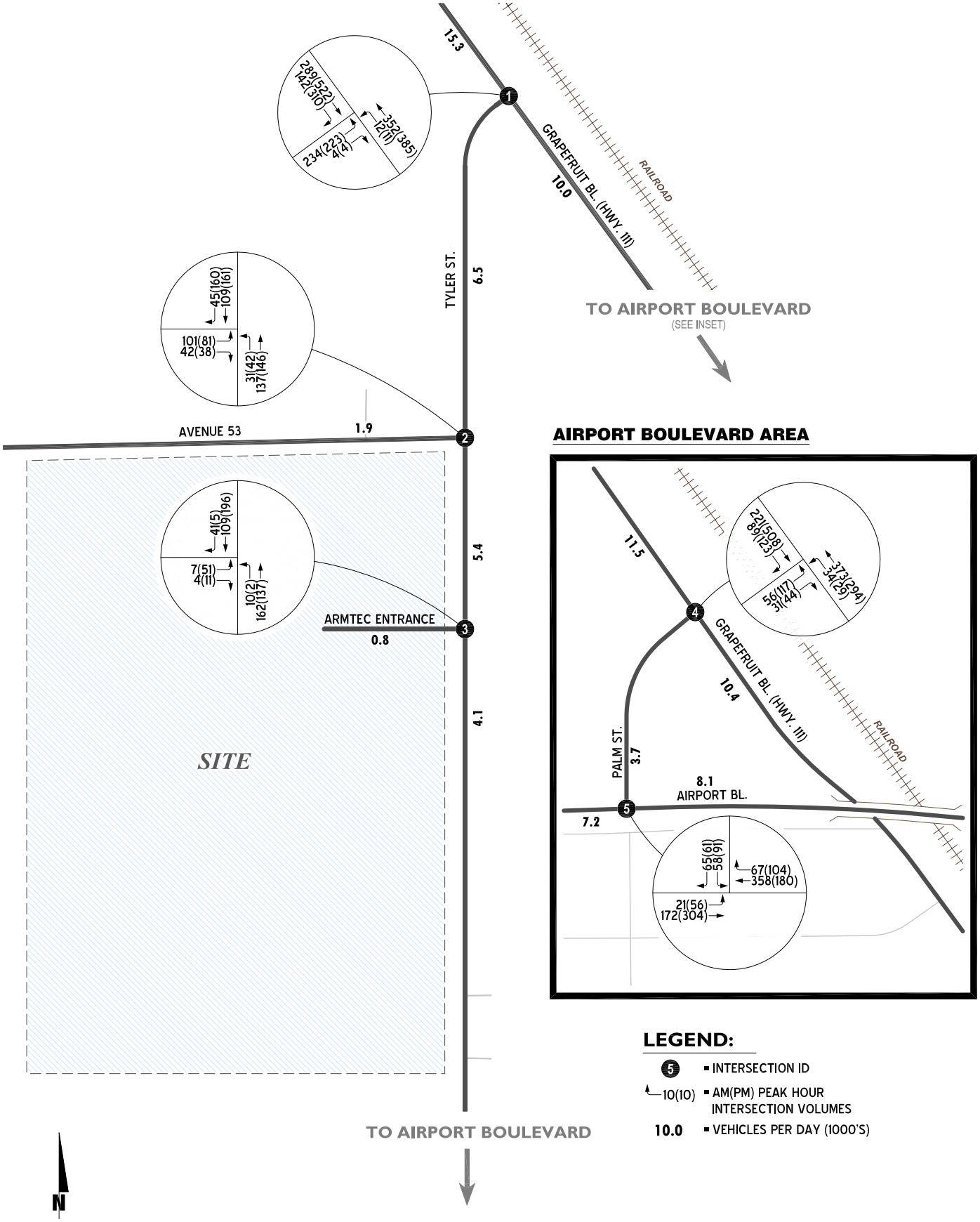


TABLE 5-1: INTERSECTION ANALYSIS FOR EAP (2026) CONDITIONS

#	Intersection	Traffic Control[1]	Intersection Approach Lanes[2]												Delay[3] (secs.)		Level of Service	
			Northbound			Southbound			Eastbound			Westbound						
			L	T	R	L	T	R	L	T	R	L	T	R	AM	PM	AM	PM
1	Grapefruit Bl. (Hwy. 111) / Tyler St.	AWS	0.5	0.5	0	0	1	1	0	1!	0	0	0	0	17.1	34.0	C	D
2	Tyler St. / Avenue 53	CSS	1	1	0	0	2	d	1	0	1	0	0	0	12.3	14.5	B	B
3	Tyler St. / Armtec Entrance	CSS	1	1	0	0	2	d	1	0	1	0	0	0	10.7	11.7	B	B
4	Grapefruit Bl. (Hwy. 111) / Palm St.	TS	1	1	0	0	1	1	1	0	1	0	0	0	7.4	9.4	A	A
5	Palm St. / Airport Bl.	TS	0	0	0	1	0	1	1	2	0	0	2	0	12.0	12.6	B	B

[1] TS = Traffic Signal; CSS = Cross-street Stop; AWS = All-way-stop

[2] When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.

L = Left; T = Through; R = Right; d = Defacto Right Turn Lane; 0.5 = Shared Lane; 1! = Shared Left/Through/Right lane; **1** = Improvement

[3] Per the Highway Capacity Manual (7th Edition), overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. Delay and level of service is calculated using Synchro 12 analysis software.

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6 EAPC (2026) TRAFFIC CONDITIONS

This section discusses the methods used to develop Existing plus Ambient plus Project plus Cumulative (EAPC) (2026) traffic forecasts, and the resulting intersection operations and traffic signal warrant analyses.

The lane configurations and traffic controls assumed to be in place for EAPC (2026) conditions are consistent with those shown previously on Exhibit 3-1, with the exception of the following:

- Project driveways and those facilities assumed to be constructed by the Project to provide site access are also assumed to be in place for EAPC conditions (e.g., intersection and roadway improvements along the Project's frontage and driveways).
- If applicable, driveways and those facilities assumed to be constructed by cumulative developments to provide site access are also assumed to be in place for EAPC conditions (e.g., intersection and roadway improvements along the cumulative development's frontages and driveways).

6.1 EAPC (2026) TRAFFIC VOLUME FORECASTS

This scenario consists of existing traffic volumes plus an ambient growth factor of 4.04% plus traffic from pending and approved but not yet constructed known development projects in the area plus the Project.

The weekday ADT and weekday peak hour volumes which can be expected for EAPC (2026) traffic conditions are shown on Exhibit 6-1.

6.2 INTERSECTION OPERATIONS ANALYSIS

The intersection analysis results for EAPC conditions are summarized in Table 6-1, which indicates that the study area intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) is found to operate at an unacceptable LOS (i.e., LOS "E" or worse) during peak hours, without installation of the traffic signal that is currently warranted for existing conditions.

The intersection operations analysis worksheets for EAPC traffic conditions are included in Appendix 6.1 of this TA.

6.3 TRAFFIC SIGNAL WARRANTS ANALYSIS

The traffic signal warrant analysis worksheets for EAPC (2026) traffic conditions are provided in Appendix 3.3. For EAPC conditions, no additional study area intersections meet the volume warrants for installation of a traffic signal (beyond the Tyler Street at Grapefruit Boulevard / Highway 111 intersection, which meets volume warrants for a signal based upon existing counts) (see Appendix 3.3).

EXHIBIT 6-1: EXISTING PLUS AMBIENT PLUS PROJECT PLUS CUMULATIVES (2024) TRAFFIC VOLUMES

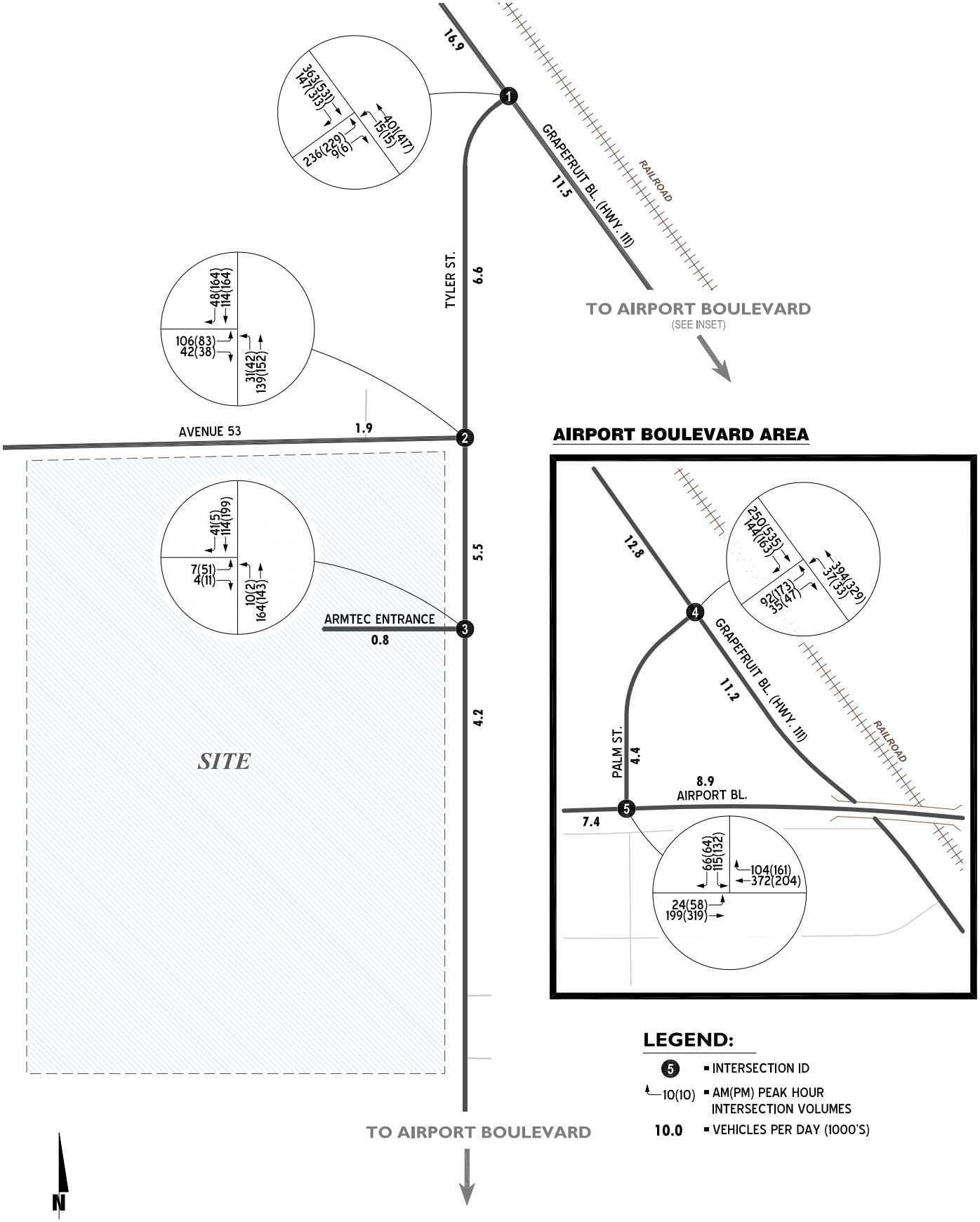


TABLE 6-1: INTERSECTION ANALYSIS FOR EAPC (2026) CONDITIONS

#	Intersection	Traffic Control[1]	Intersection Approach Lanes[2] Northbound L	T	R	Southbound L	T	R	Eastbound L	T	R	Westbound L	T	R	Delay[3] (secs.) AM	PM	Level of Service AM	PM
1	Grapefruit Bl. (Hwy. 111) / Tyler St.	AWS	0.5	0.5	0	0	1	1	0	1!	0	0	0	0	23.9	39.9	C	E
	- With Improvements	**TS**	0.5	0.5	0	0	1	1	0	1!	0	0	0	0	10.3	9.2	B	A
2	Tyler St. / Avenue 53	CSS	1	1	0	0	2	d	1	0	1	0	0	0	12.5	14.7	B	B
3	Tyler St. / Armtec Entrance	CSS	1	1	0	0	2	d	1	0	1	0	0	0	10.8	11.8	B	B
4	Grapefruit Bl. (Hwy. 111) / Palm St.	TS	1	1	0	0	1	1	1	0	1	0	0	0	8.6	11.0	A	B
5	Palm St. / Airport Bl.	TS	0	0	0	1	0	1	1	2	0	0	2	0	13.0	13.2	B	B

[1] TS = Traffic Signal; CSS = Cross-street Stop; AWS = All-way-stop

[2] When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.

L = Left; T = Through; R = Right; d = Defacto Right Turn Lane; 0.5 = Shared Lane; 1! = Shared Left/Through/Right lane; **1** = Improvement

[3] Per the Highway Capacity Manual (7th Edition), overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. Delay and level of service is calculated using Synchro 12 analysis software.

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6.4 CUMULATIVE IMPROVEMENTS

The provision of traffic signal control addresses the off-site intersection operational deficiency for EAPC (2026) conditions at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1). The effectiveness of this recommended signal improvement at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) is presented in Table 6-1 for EAPC (2026) traffic conditions.

The intersection operations analysis worksheets for EAPC (2026) traffic conditions, with this traffic signal improvement, are included in Appendix 6.1 of this TA.

7 CUMULATIVE AND SITE ACCESS IMPROVEMENTS AND VMT

7.1 RECOMMENDED CUMULATIVE IMPROVEMENT

A traffic signal improvement at the off-site intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) address intersection operational deficiencies for EAPC (2026) conditions.

The provision of traffic signal control addresses the off-site intersection operational deficiency for EAPC (2026) conditions at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1). The effectiveness of this recommended signal improvement at the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1) is presented in Table 6-1 for EAPC (2026) traffic conditions.

Detailed fair share calculations, for each peak hour, are provided in Table 7-1 for this intersection. For the intersection of Tyler Street at Grapefruit Boulevard / Highway 111 (#1), the Project Fair Share is 10.5%.

TABLE 7-1: EXISTING PLUS AMBIENT PLUS PROJECT PLUS CUMULATIVE (EAPC) FAIR SHARE CALCULATIONS

#	Intersection	Existing (2024) Traffic	EAPC (2026) Traffic[3]	Project Only Traffic	Total New Traffic[1]	Project Fair Share (%)[2]
1	Grapefruit Bl. (Hwy. 111) / Tyler St.					
	• AM Peak Hour	979	1,171	15	192	7.8%
	• PM Peak Hour	1,387	1,511	13	124	**10.5%**

[1] Total New Traffic = (EAPC 2026 - Existing Traffic)
[2] Project Fair Share % = (Project Only Traffic / Total New Traffic)
[3] Existing Plus Ambient Plus Project Plus Cumulative (2026) Conditions

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7.2 SITE-ADJACENT IMPROVEMENTS

The project description incorporates the following adjacent improvements:

- Expansion of vehicle lanes on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of concrete curbing on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of a 5-foot sidewalk on the east side of Tyler Street between the Armtec north boundary and south boundary within the City's right-of-way.
- Installation of a 5-foot sidewalk along a separate parcel owned by Armtec (APN: 778-420- 014) that is west of the northern parcel, currently not a part of the Armtec campus and is leased to the City for its use as a soccer park.

Access to the Project is provided via the existing full access intersection at Tyler Street / Armtec Entrance. At this intersection, the existing striping and signage for stop sign control on the west leg should be upgraded.

7.3 VEHICLE MILES TRAVELED (VMT) SCREENING

A VMT screening assessment of Armtec Master Plan has been prepared in accordance with SB743 and consistent with the methodology and thresholds outlined in the County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled (December of 2020). Attachment 7.1 contains the VMT screening assessment that has been reviewed & accepted by the City of Coachella.

The small project screening criteria is met, so a full analysis of VMT associated with site employment is not required. The Project is presumed to have a less than significant impact on VMT.

8 REFERENCES

1. **Riverside County.** *Transportation Analysis Guidelines for Level of Service & Vehicle Miles Traveled.* Riverside County : s.n., December 2020.
2. **Transportation Research Board.** *Highway Capacity Manual (HCM), 7th Edition.* s.l. : National Academy of Sciences, 2022.
3. **California Department of Transportation.** California Manual on Uniform Traffic Control Devices (CA MUTCD). [book auth.] California Department of Transportation. *California Manual on Uniform Traffic Control Devices (CA MUTCD).* 2014, Updated March 30, 2021 (Revision 6).
4. **Institute of Transportation Engineers.** Trip Generation Manual. 11th Edition, 2021.

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APPENDIX 1.1: TRAFFIC STUDY SCOPE

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MEMORANDUM

URBAN CROSSROADS

DATE: June 24, 2024
TO: Mr. Andrew Simmons, P.E., City of Coachella
FROM: John Kain and Marlie Whiteman, Urban Crossroads, Inc.
JOB NO: 15926-02 VMT TG SA.docx

ARMTEC MASTER PLAN – LEVEL OF SERVICE (LOS) ANALYSIS SCOPE

Urban Crossroads, Inc. is pleased to submit the following LOS traffic study scope for the proposed Armtec Master Plan development (**Project**). The Project is located at the southwest corner of Tyler Street and Avenue 53 in the City of Coachella. The following evaluation is based on the County of Riverside's Transportation Analysis Guidelines for Level of Service & Vehicle Miles Traveled (December 2020), as the City of Coachella utilizes the County guidelines.

PROJECT DESCRIPTION

It is our understanding that the Project is to consist of the expansion of an existing defense technologies facility. A preliminary master plan for the proposed Project is shown on Exhibit 1.

Access to the Project is provided via the Armtec Entrance, which is a full access driveway to Tyler Street (located south of Avenue 53).

The facility consists of two parcels totaling approximately 52.65 acres in size, identified by assessor's parcel numbers (APNs) 778-420-013 (14.96 acres) and 778- 390-008 (37.69 acres).

On the northern parcel (APN: 778-420-013), north of the Armtec entry at Tyler Street, a new 15,000 SF warehouse will be constructed for storage purposes, adjacent to a truck staging area. This facility will remain unoccupied except when goods are moved in and out.

Armtec's existing operations, utilized for industrial and manufacturing purposes, are located on the southern parcel (APN: 778-390-008). South of the Armtec entry at Tyler Street, the Project will include the construction of:

- A 3,000 SF facility, focusing on research and development activities;
- A 15,000 SF production/manufacturing facility
- Storage facilities (warehousing):
  - A new 15,000 SF warehouse
  - Two new storage buildings of 900 SF each
  - A 6,000 SF warehouse expansion.

EXHIBIT 1: ARMTEC MASTER PLAN



The Project total addition to the existing site includes:

- 15,000 SF of Production Facility (Manufacturing)
- 37,800 SF Storage Facilities (Warehousing)
- 3,000 SF of Research & Development

STUDY AREA

Exhibit 2 presents the study area intersection analysis locations. Study area intersections will be evaluated using the HCM 7 methodology. Count data will be collected during the AM and PM peak hours on a typical weekday.

ANALYSIS SCENARIOS

The analysis of peak hour operations at study area intersections will be provided for the following analysis scenarios:

- Existing (2024)
- Existing Plus Ambient Growth Plus Project (2026) Conditions (EAP)
- Existing Plus Ambient Growth Plus Project Plus Cumulative (2026) Conditions (EAPC)

EAP traffic conditions will be utilized to determine direct Project traffic impacts, while the EAPC (2026) analysis will be utilized to determine the Project's cumulatively considerable impacts (subject to payment of fees/fair share).

AMBIENT GROWTH ASSUMPTIONS

An ambient growth rate of 2.0 percent per year is proposed for the study area intersections which will be compounded for each year to the Project's Opening Year of 2026 (in addition to cumulative development traffic overlays). The growth rate is consistent with the growth rate utilized by the County of Riverside.

TRIP GENERATION

Trip generation represents the amount of traffic that is attracted and produced by a development, and is based upon the specific land uses planned for a given project. Table 1 presents the trip generation rates and the resulting trip generation summary for the proposed Project. The trip generation rates used for this analysis are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in their Trip Generation manual, 11th Edition, 2021. As shown in Table 1, the Project is anticipated to generate a total of 169 trip-ends per day with 21 AM peak hour trips and 20 PM peak hour trips.

EXHIBIT 2: TRAFFIC ANALYSIS STUDY AREA

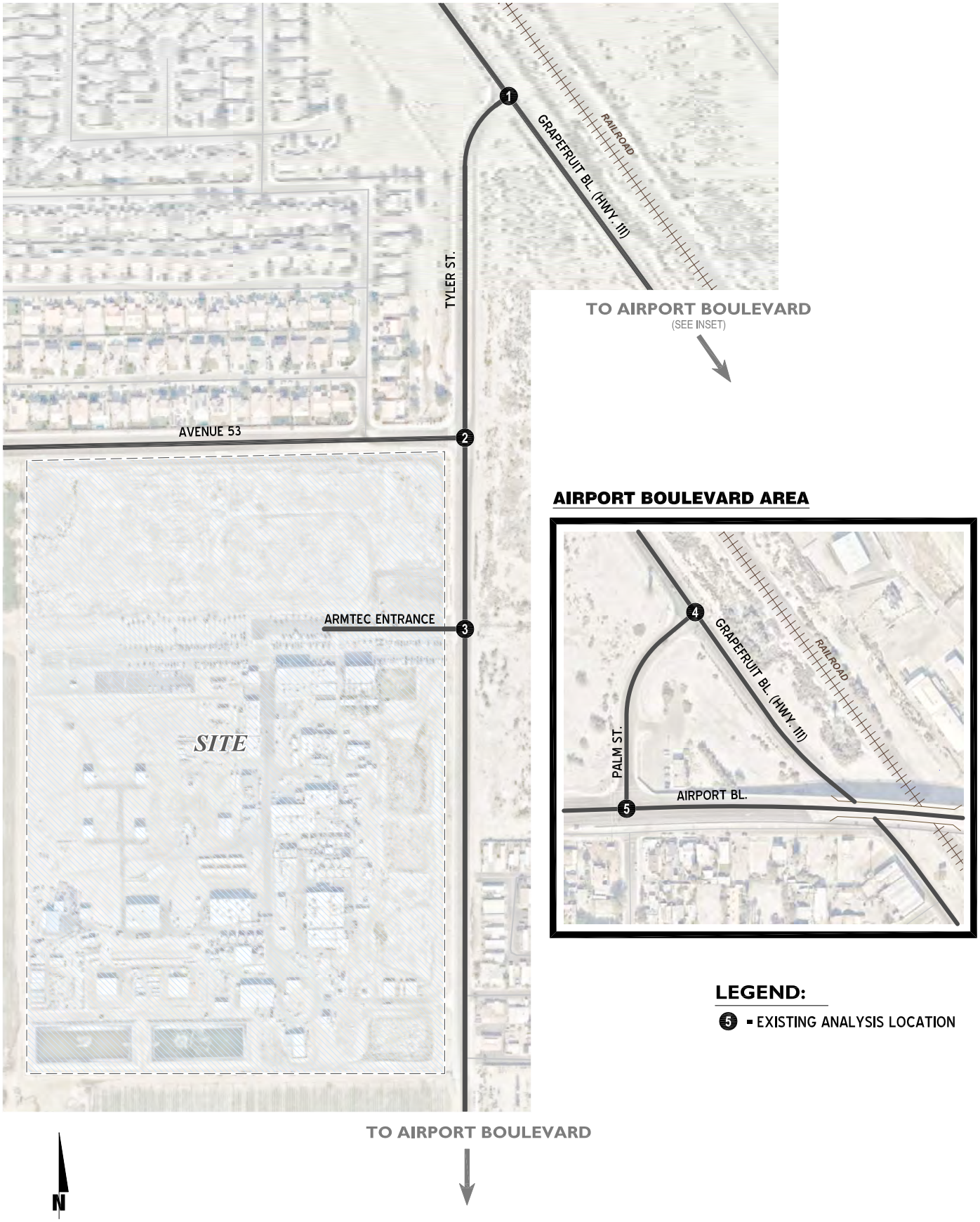


TABLE 1: PROJECT TRIP GENERATION SUMMARY

Trip Generation Rates[1]

Land Use	ITE LU Code	Quantity[2]		AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Warehousing	150	37.8	TSF	0.13	0.04	0.17	0.05	0.13	0.18	1.71
Manufacturing	140	15	TSF	0.52	0.16	0.68	0.23	0.51	0.74	4.75
Research and Development Center	760	3	TSF	0.84	0.19	1.03	0.16	0.82	0.98	11.08

Trip Generation Results

Land Use	ITE LU Code	Quantity[2]		AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Warehousing	150	37.8	TSF	5	2	7	2	5	7	65
Manufacturing	140	15	TSF	8	2	10	3	8	11	71
Research and Development Center	760	3	TSF	3	1	4	0	2	2	33
TOTAL				**16**	**5**	**21**	**5**	**15**	**20**	**169**

[1] Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 11th Edition (2021).
[2] TSF = Thousand Square Feet

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TRIP DISTRIBUTION

Trip distribution is the process of identifying the probable destinations, directions, or traffic routes that will be utilized by Project traffic. The potential interaction between the planned land use and surrounding regional access routes are considered, to identify the route where the Project traffic would distribute. The trip distribution pattern is heavily influenced by the geographical location of the site, the location of surrounding uses, and the proximity to the regional freeway system. Exhibit 3 illustrates the trip distribution pattern for the Project.

PROJECT TRAFFIC VOLUMES

The assignment of traffic from the Project area to the adjoining roadway system is based upon the Project trip generation, trip distribution, and the arterial street system improvements that would be in place by the time of initial occupancy of the Project. Based on the identified Project traffic generation and trip distribution patterns, Project Only Average Daily Traffic (ADT) volumes and AM and PM peak hour intersection turning movement volumes are shown on Exhibit 4.

LEVEL OF SERVICE (LOS) CRITERIA AND THRESHOLDS OF SIGNIFICANCE

The City of Coachella's current General Plan applies LOS D as a performance threshold for roadway segments and intersections.

The following thresholds of significance will be applied to study area intersections to identify significant impacts through a comparison of Existing and EAP traffic conditions:

- If an intersection is projected to operate at an acceptable level of service (i.e., LOS D or better) under Existing traffic conditions and the addition of project traffic is expected to cause the intersection to operate at an unacceptable level of service (i.e., LOS E or F), the impact is considered significant;
- If an intersection is projected to operate at LOS E or LOS F under Existing, with the addition of project traffic, the impact is considered significant.

EXISTING COUNT DATA

Intersection turning movement counts will be conducted at the study area intersection locations for weekday AM (7-9AM) and weekday PM (4-6PM). Daily (24-hour) counts will also be conducted on Tyler Street north of the project entry, and on Avenue 53 west of Tyler Street.

The traffic counts are anticipated to occur on June 5th, 2024. A seasonal adjustment factor of 10% is proposed to be applied if counts are taken during this first week of June.

CITY GENERAL PLAN CIRCULATION ELEMENT

The adopted City of Coachella General Plan Circulation Element is shown on Exhibit 5. Exhibit 6 shows the City of Coachella General Plan roadway cross-sections.

EXHIBIT 3: PROJECT TRIP DISTRIBUTION

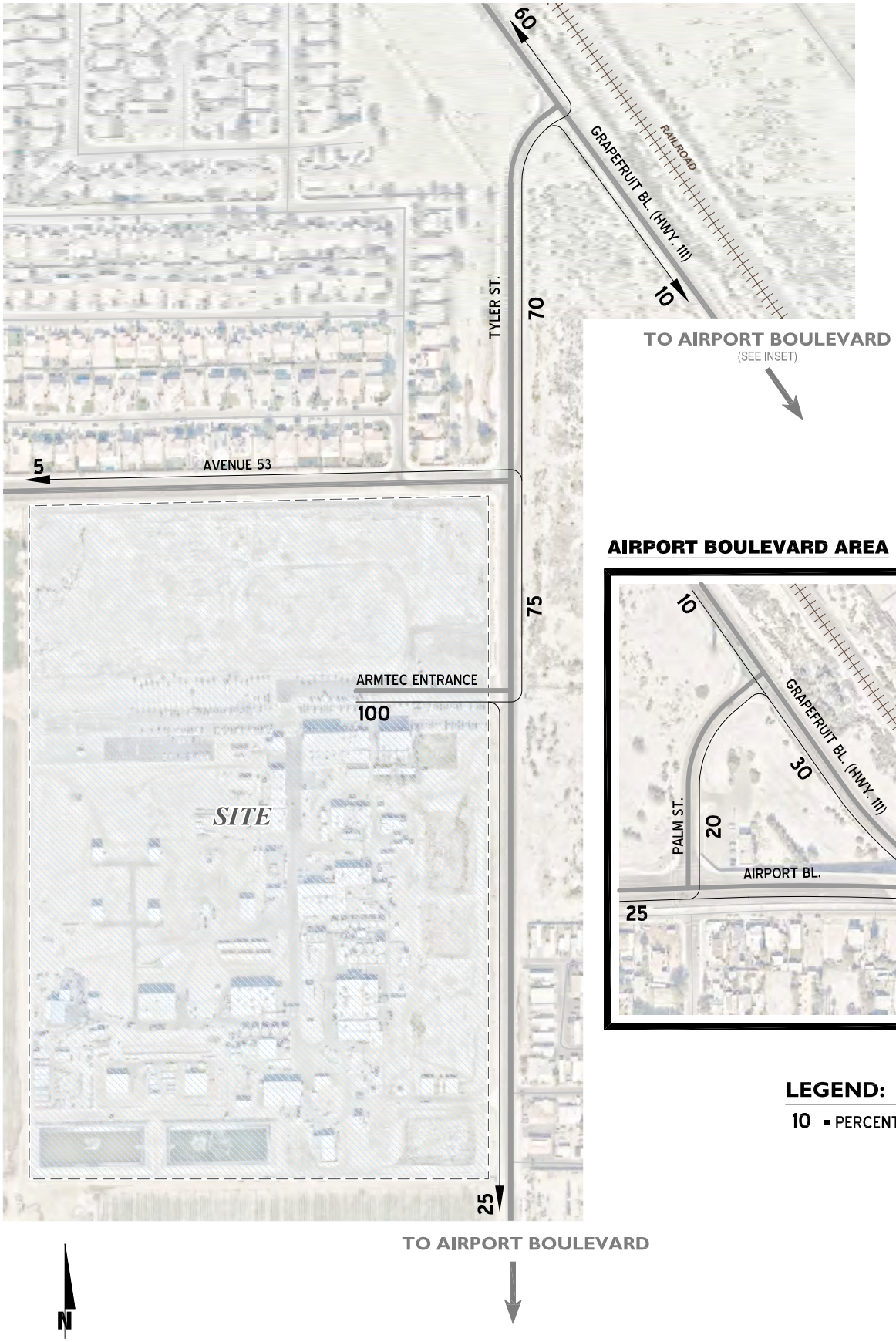


EXHIBIT 4: PROJECT ONLY TRAFFIC VOLUMES

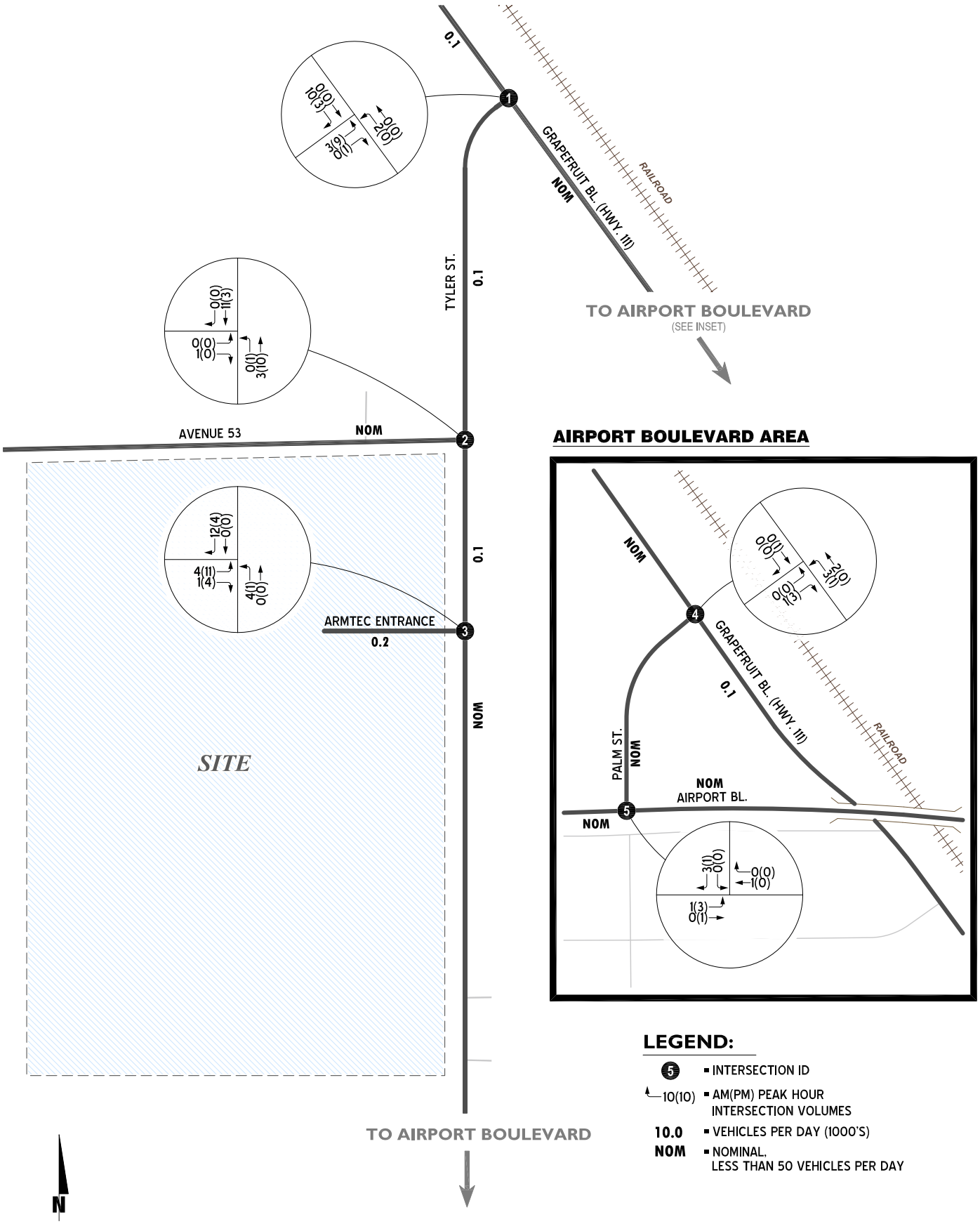


EXHIBIT 5: CITY OF COACHELLA GENERAL PLAN CIRCULATION ELEMENT



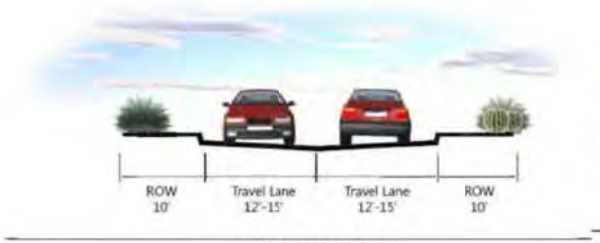
SOURCE: CITY OF COACHELLA

LEGEND:

③ = EXISTING ANALYSIS LOCATION

N

EXHIBIT 6: CITY OF COACHELLA GENERAL PLAN ROADWAY CROSS-SECTIONS



COUNTRY ROAD



MAJOR ARTERIAL



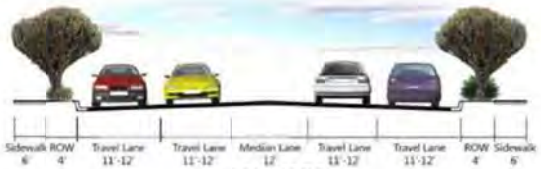
MAJOR ARTERIAL WITH ENHANCED BICYCLE FACILITIES



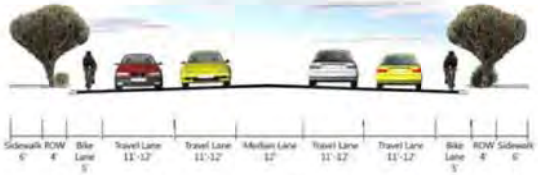
PRIMARY ARTERIAL



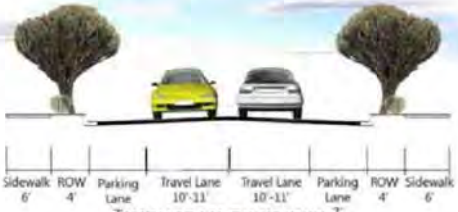
PRIMARY ARTERIAL WITH ENHANCED BICYCLE FACILITIES



COLLECTOR



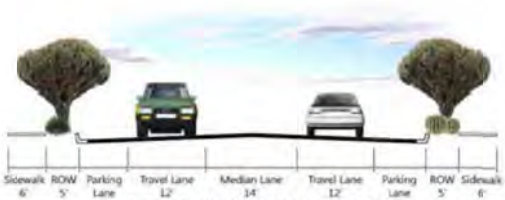
COLLECTOR WITH ENHANCED BICYCLE FACILITIES



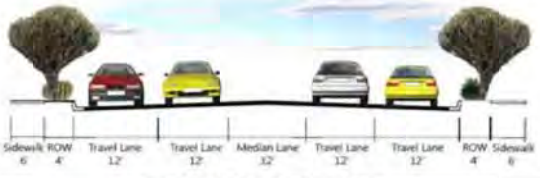
SURURBAN RESIDENTIAL WITH PARKING



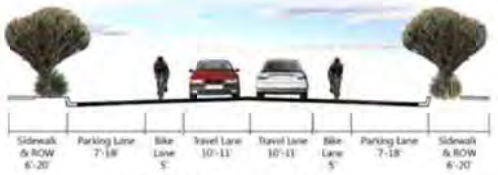
URBAN RESIDENTIAL WITH PARKING



LOCAL INDUSTRIAL STREET



INDUSTRIAL COLLECTOR



URBAN STREET 2-LANE



URBAN STREET 4-LANE

SPECIAL ISSUES

The following issues will also be addressed as part of the traffic study:

Traffic Signal Warrant Analysis: Signal warrant analysis will be prepared for all unsignalized study area intersections that allow for full access (no traffic signal warrants to be performed for restricted access locations due to infeasibility of installing a signal at these types of locations).

Improvements: Based on the traffic analysis (TA) results, the TA will indicate new improvement requirements and fair share contribution for the proposed Project. Fair share tables will be included

CUMULATIVE DEVELOPMENT

It is requested that City staff review the list of cumulative development projects (shown on Exhibit 7 and listed on Table 2) and any additional information for projects that should be included in this traffic study that may not be reflected Exhibit 7.

Information pertaining to project location, land use, and intensity are necessary for consideration and to estimate trip generation.

If you have any questions, please contact us directly at jkain@urbanxroads.com for John or mwhiteman@urbanxroads.com for Marlie.

EXHIBIT 7: CUMULATIVE DEVELOPMENT LOCATION MAP



LEGEND:

= CUMULATIVE DEVELOPMENT ID
(SEE TABLE 2 FOR REFERENCE)

N

TABLE 2: CUMULATIVE DEVELOPMENT LAND USE SUMMARY

TAZ	Project	Land Use	Quantity	Units[1]
1	Coachella Residences	Single Family Residential	188	DU
2	JJWR Industrial	Industrial Building (Warehouse, office, and RV Storage)	51.50	TSF
3	HOTN/Sinsemilla Dispensary & Pub	Retail Cannabis	1.839	TSF
		Bar/Pub	1.432	TSF
4	Fountainhead Plaza (NEC 1st St. & Cesar Chavez St.)	Supermarket	20.422	TSF
		Fast-Food Restaurant	2.6	TSF
		Coffee Shop w/ Restaurant	2.1	TSF
5	Placita Dolores Huerta	Multifamily Residential	110	DU
6	Glenroy Hotel Project	Resort casitas/bungalows	620	RM
		Hotel	130	RM
		Restaurant	3.6	TSF
		Retail Cannabis	3.12	TSF
		General Store	2.5	TSF
		Coffee shop with drive thru	2.5	TSF
7	Rancho Flores 2	Single Family Residential	124	DU
8	Mariposa Pointe	Single Family Residential	155	DU
9	Polo Community	Senior & Single Family Residential	560	DU
10	Bellissima (Tract 31978)	Single Family Residential	111	DU
11	Coachella Airport Business Park[2]	**2027 (Phase I) Land Uses:**		
		Industrial Park	204.8	TSF
		Self Storage	63.7	TSF
		Fast Food Restaurant w/ DT	4.65	TSF
		Service Station with Convenience Store	10	VFP
		2045 (Phase I to III) Land Uses:		
		Industrial Park	486.9	TSF
		Self Storage	128.6	TSF
		Fast Food Restaurant w/ DT	4.65	TSF
		Service Station with Convenience Store	10	VFP

[1] DU = Dwelling Units; TSF = Thousand Square Feet; RM = Rooms; VFP = Vehicle Fueling Position

[2] For purposes of 2026 analysis conditions, the 2027 (Phase I) land uses of the Coachella Airport Business Park will be utilized.

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APPENDIX 3.1: TRAFFIC COUNTS –2024

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INTERSECTION TURNING MOVEMENT COUNTS

T101823

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Thu, Jan 18, 24

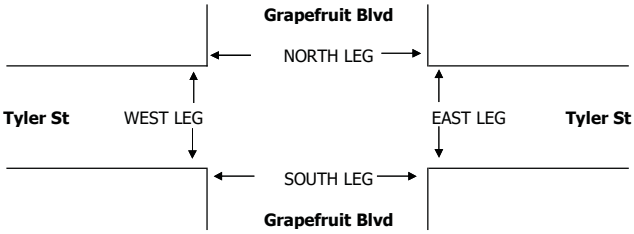
LOCATION: Coachella
NORTH & SOUTH: Grapefruit Blvd
EAST & WEST: Tyler St

PROJECT #: SC4392
LOCATION #: 8
CONTROL: STOP ALL

NOTES:

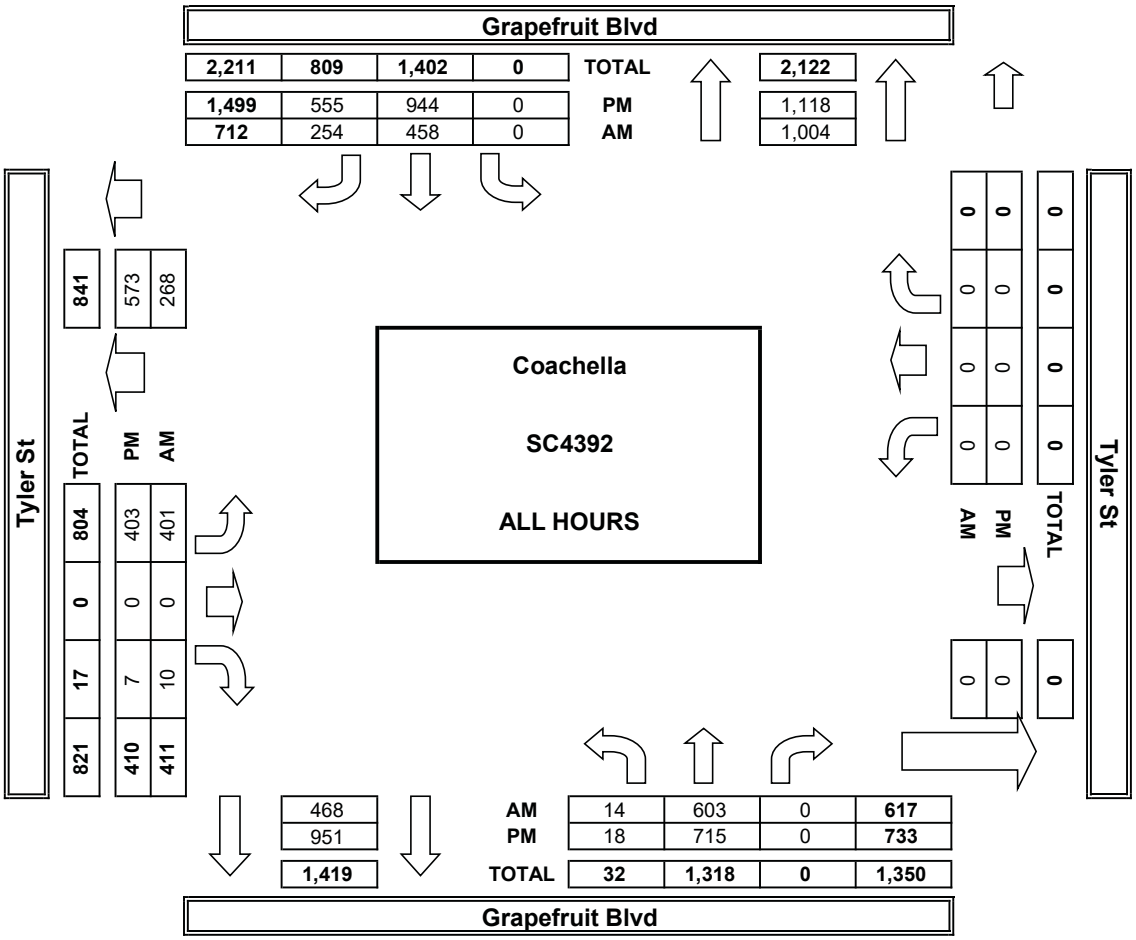
AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

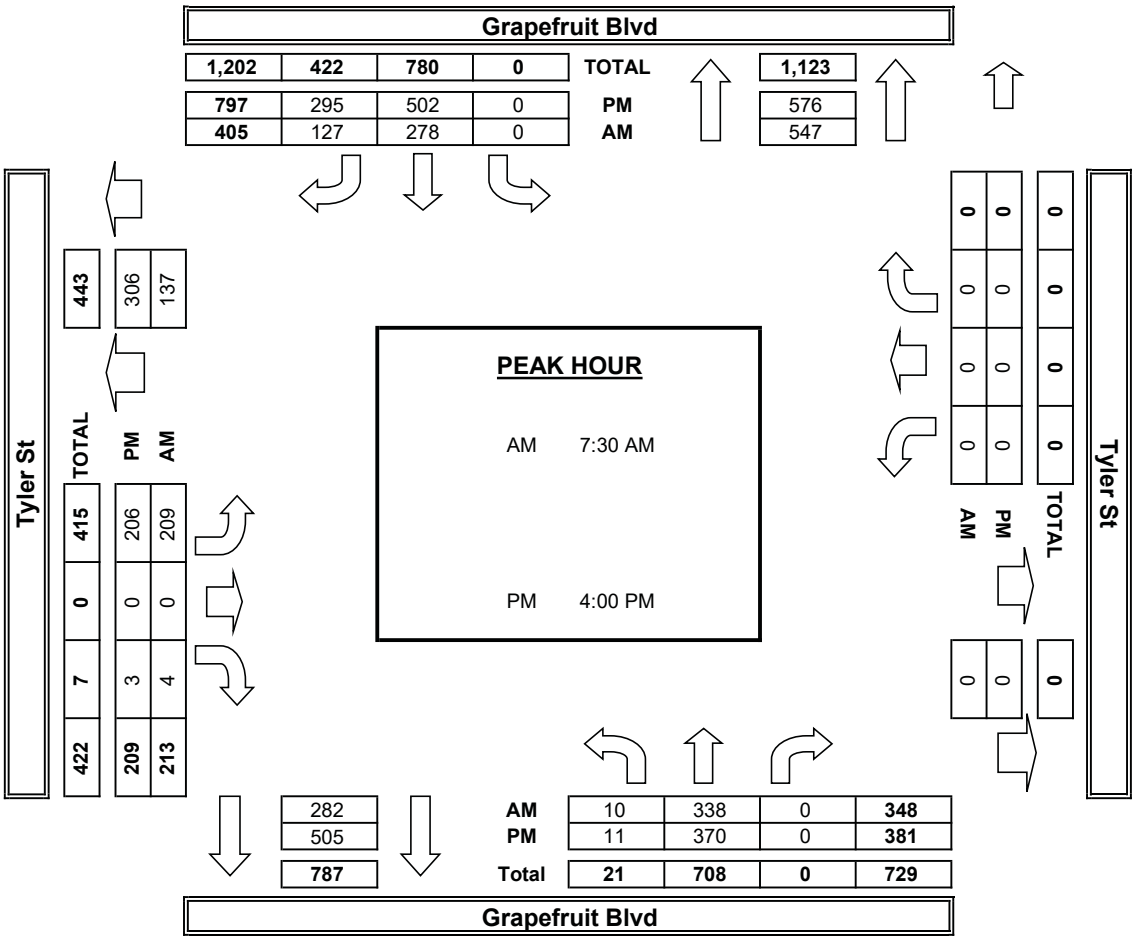
		NORTHBOUND Grapefruit Blvd			SOUTHBOUND Grapefruit Blvd			EASTBOUND Tyler St			WESTBOUND Tyler St				U-TURNS				
	LANES:	NL 0	NT 1	NR X	SL X	ST 1	SR 1	EL 0	ET X	ER 0	WL X	WT X	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	2	57	0	0	39	44	60	0	1	0	0	0	203	0	0	0	0	0
	7:15 AM	1	65	0	0	39	28	58	0	4	0	0	0	195	0	0	0	0	0
	7:30 AM	3	77	0	0	51	23	70	0	0	0	0	0	224	0	0	0	0	0
	7:45 AM	4	91	0	0	89	33	69	0	2	0	0	0	288	0	0	0	0	0
	8:00 AM	2	78	0	0	81	35	35	0	1	0	0	0	232	0	0	0	0	0
	8:15 AM	1	92	0	0	57	36	35	0	1	0	0	0	222	0	0	0	0	0
	8:30 AM	1	77	0	0	54	30	43	0	0	0	0	0	205	0	0	0	0	0
	8:45 AM	0	66	0	0	48	25	31	0	1	0	0	0	171	0	0	0	0	0
	VOLUMES	14	603	0	0	458	254	401	0	10	0	0	0	1,740	0	0	0	0	0
	APPROACH %	2%	98%	0%	0%	64%	36%	98%	0%	2%	0%	0%	0%						
	APP/DEPART	617	/	1,004	712	/	468	411	/	0	0	/	268	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	10	338	0	0	278	127	209	0	4	0	0	0	966					
	APPROACH %	3%	97%	0%	0%	69%	31%	98%	0%	2%	0%	0%	0%						
	PEAK HR FACTOR		0.916			0.830			0.750			0.000		0.839					
	APP/DEPART	348	/	547	405	/	282	213	/	0	0	/	137	0					
PM	4:00 PM	4	103	0	0	128	90	61	0	2	0	0	0	388	0	0	0	0	0
	4:15 PM	1	95	0	0	125	75	45	0	0	0	0	0	341	0	0	0	0	0
	4:30 PM	4	90	0	0	138	76	56	0	0	0	0	0	364	0	0	0	0	0
	4:45 PM	2	82	0	0	111	54	44	0	1	0	0	0	294	0	0	0	0	0
	5:00 PM	3	95	0	0	124	60	46	0	1	0	0	0	329	0	0	0	0	0
	5:15 PM	1	97	0	0	100	68	46	0	3	0	0	0	315	0	0	0	0	0
	5:30 PM	2	77	0	0	111	63	59	0	0	0	0	0	312	0	0	0	0	0
	5:45 PM	1	76	0	0	107	69	46	0	0	0	0	0	299	0	0	0	0	0
	VOLUMES	18	715	0	0	944	555	403	0	7	0	0	0	2,642	0	0	0	0	0
	APPROACH %	2%	98%	0%	0%	63%	37%	98%	0%	2%	0%	0%	0%						
	APP/DEPART	733	/	1,118	1,499	/	951	410	/	0	0	/	573	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	11	370	0	0	502	295	206	0	3	0	0	0	1,387					
	APPROACH %	3%	97%	0%	0%	63%	37%	99%	0%	1%	0%	0%	0%						
	PEAK HR FACTOR		0.890			0.914			0.829			0.000		0.894					
	APP/DEPART	381	/	576	797	/	505	209	/	0	0	/	306	0					



		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BEGIN PEAK HR	7:30 AM					0	0	0	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	BEGIN PEAK HR	4:00 PM					0	0	0	0	0					

AimTD LLC
TURNING MOVEMENT COUNTS





Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Coachella
N/S: Tyler Street
E/W: Avenue 53
Weather: Clear

File Name : 02_COA_Tyler_A53 AM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 1

Groups Printed- Total Volume

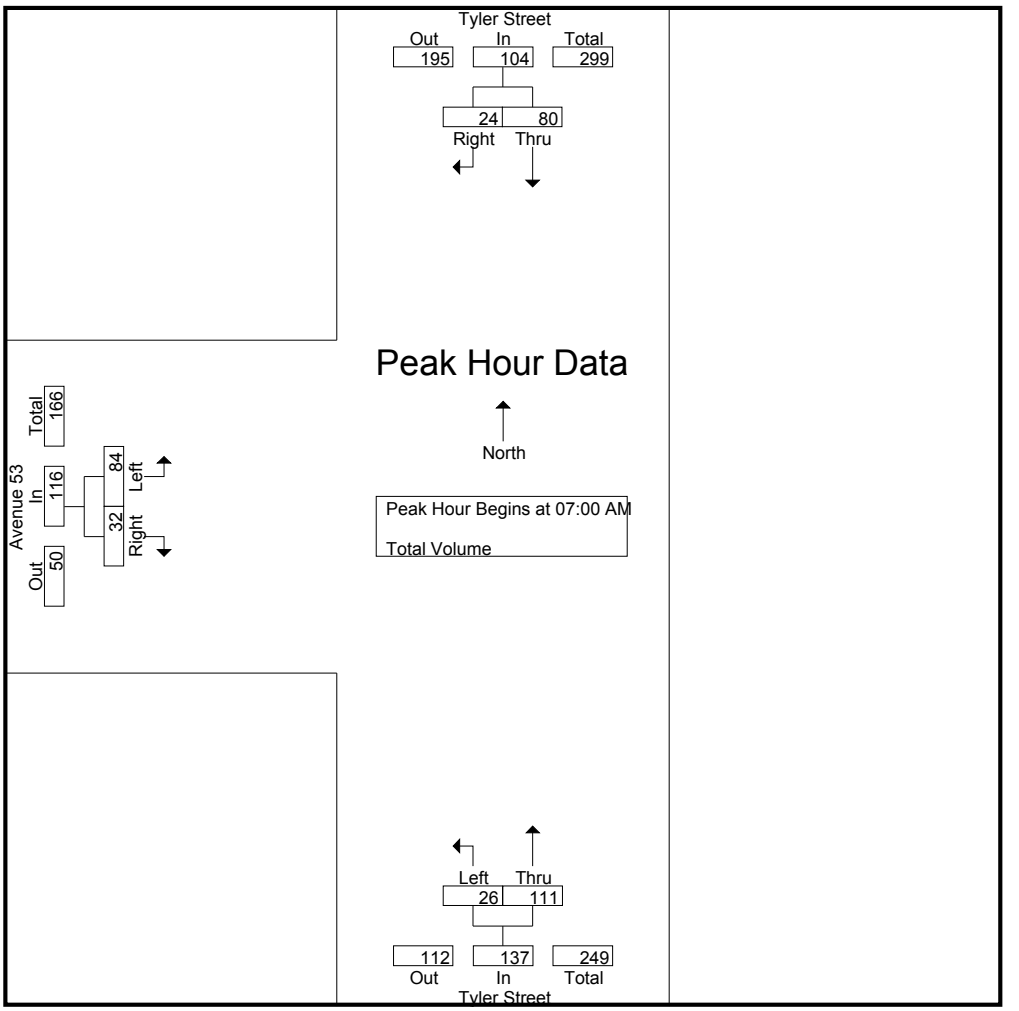
	Tyler Street Southbound			Tyler Street Northbound			Avenue 53 Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
07:00 AM	35	6	41	3	33	36	13	10	23	100
07:15 AM	12	7	19	4	31	35	22	8	30	84
07:30 AM	21	6	27	10	24	34	23	5	28	89
07:45 AM	12	5	17	9	23	32	26	9	35	84
Total	80	24	104	26	111	137	84	32	116	357
08:00 AM	20	5	25	4	23	27	15	10	25	77
08:15 AM	8	15	23	5	15	20	8	8	16	59
08:30 AM	8	6	14	4	13	17	16	5	21	52
08:45 AM	16	10	26	6	18	24	18	3	21	71
Total	52	36	88	19	69	88	57	26	83	259
Grand Total	132	60	192	45	180	225	141	58	199	616
Apprch %	68.8	31.2		20	80		70.9	29.1		
Total %	21.4	9.7	31.2	7.3	29.2	36.5	22.9	9.4	32.3	

	Tyler Street Southbound			Tyler Street Northbound			Avenue 53 Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	**35**	6	**41**	3	**33**	**36**	13	**10**	23	**100**
07:15 AM	12	**7**	19	4	31	35	22	8	30	84
07:30 AM	21	6	27	**10**	24	34	23	5	28	89
07:45 AM	12	5	17	9	23	32	**26**	9	**35**	84
Total Volume	80	24	104	26	111	137	84	32	116	357
% App. Total	76.9	23.1		19	81		72.4	27.6		
PHF	.571	.857	.634	.650	.841	.951	.808	.800	.829	.893

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Coachella
N/S: Tyler Street
E/W: Avenue 53
Weather: Clear

File Name : 02_COA_Tyler_A53 AM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:15 AM		
+0 mins.	**35**	6	**41**	3	**33**	**36**	22	8	30
+15 mins.	12	**7**	19	4	31	35	23	5	28
+30 mins.	21	6	27	**10**	24	34	**26**	9	**35**
+45 mins.	12	5	17	9	23	32	15	**10**	25
Total Volume	80	24	104	26	111	137	86	32	118
% App. Total	76.9	23.1		19	81		72.9	27.1	
PHF	.571	.857	.634	.650	.841	.951	.827	.800	.843

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City of Coachella
N/S: Tyler Street
E/W: Avenue 53
Weather: Clear

File Name : 02_COA_Tyler_A53 PM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 1

Groups Printed- Total Volume

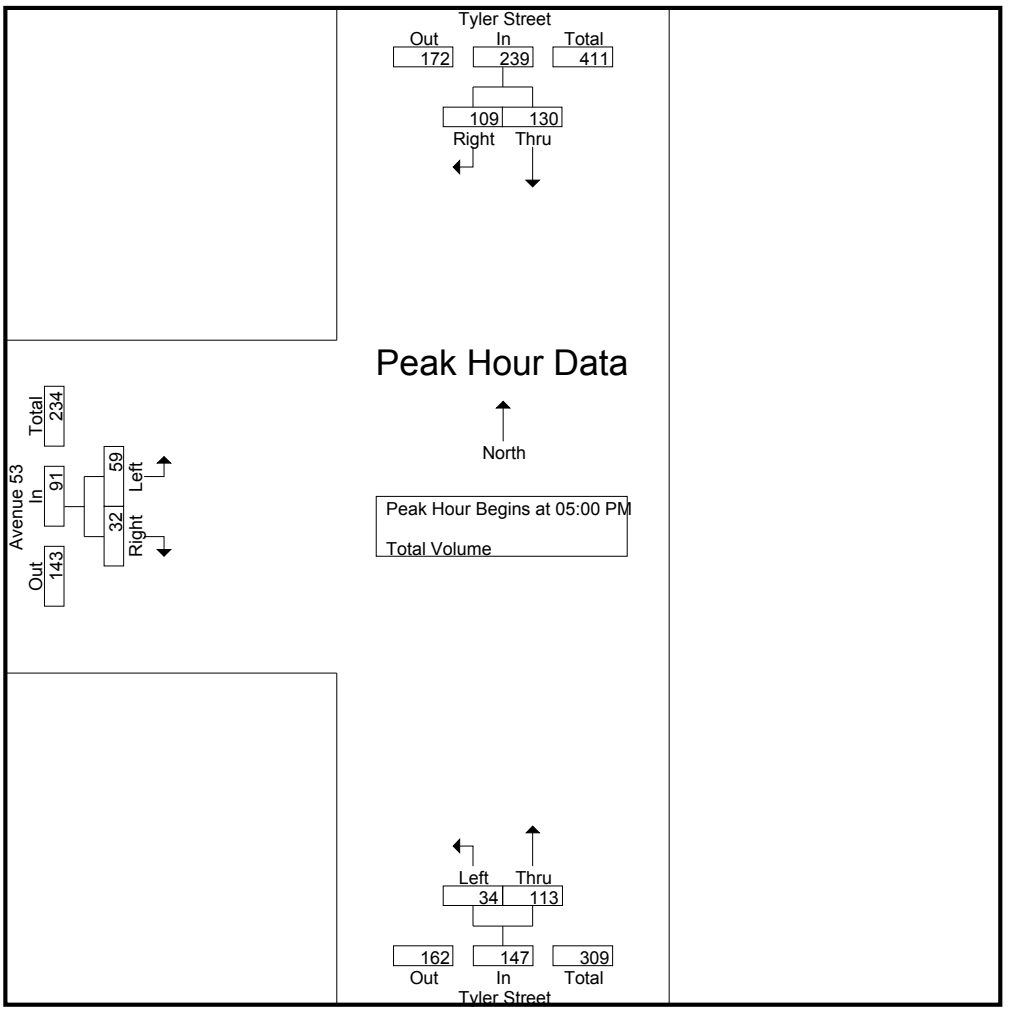
	Tyler Street Southbound			Tyler Street Northbound			Avenue 53 Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	22	32	54	7	33	40	12	7	19	113
04:15 PM	24	19	43	13	19	32	7	10	17	92
04:30 PM	27	21	48	15	21	36	10	11	21	105
04:45 PM	27	20	47	13	27	40	9	9	18	105
Total	100	92	192	48	100	148	38	37	75	415
05:00 PM	30	24	54	3	22	25	17	8	25	104
05:15 PM	31	34	65	10	13	23	15	5	20	108
05:30 PM	43	35	78	9	43	52	12	10	22	152
05:45 PM	26	16	42	12	35	47	15	9	24	113
Total	130	109	239	34	113	147	59	32	91	477
Grand Total	230	201	431	82	213	295	97	69	166	892
Apprch %	53.4	46.6		27.8	72.2		58.4	41.6		
Total %	25.8	22.5	48.3	9.2	23.9	33.1	10.9	7.7	18.6	

	Tyler Street Southbound			Tyler Street Northbound			Avenue 53 Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 05:00 PM										
05:00 PM	30	24	54	3	22	25	**17**	8	**25**	104
05:15 PM	31	34	65	10	13	23	15	5	20	108
05:30 PM	**43**	**35**	**78**	9	**43**	**52**	12	**10**	22	**152**
05:45 PM	26	16	42	**12**	35	47	15	9	24	113
Total Volume	130	109	239	34	113	147	59	32	91	477
% App. Total	54.4	45.6		23.1	76.9		64.8	35.2		
PHF	.756	.779	.766	.708	.657	.707	.868	.800	.910	.785

Counts Unlimited, Inc.
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City of Coachella
N/S: Tyler Street
E/W: Avenue 53
Weather: Clear

File Name : 02_COA_Tyler_A53 PM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM			04:00 PM			05:00 PM		
+0 mins.	27	20	47	7	**33**	**40**	**17**	8	**25**
+15 mins.	30	24	54	13	19	32	15	5	20
+30 mins.	31	34	65	**15**	21	36	12	**10**	22
+45 mins.	**43**	**35**	**78**	13	27	40	15	9	24
Total Volume	131	113	244	48	100	148	59	32	91
% App. Total	53.7	46.3		32.4	67.6		64.8	35.2	
PHF	.762	.807	.782	.800	.758	.925	.868	.800	.910

Counts Unlimited, Inc.
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(951) 268-6268

City of Coachella
N/S: Tyler Street
E/W: Armtec Entrace
Weather: Clear

File Name : 03_COA_Tyler_Arm AM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 1

Groups Printed- Total Volume

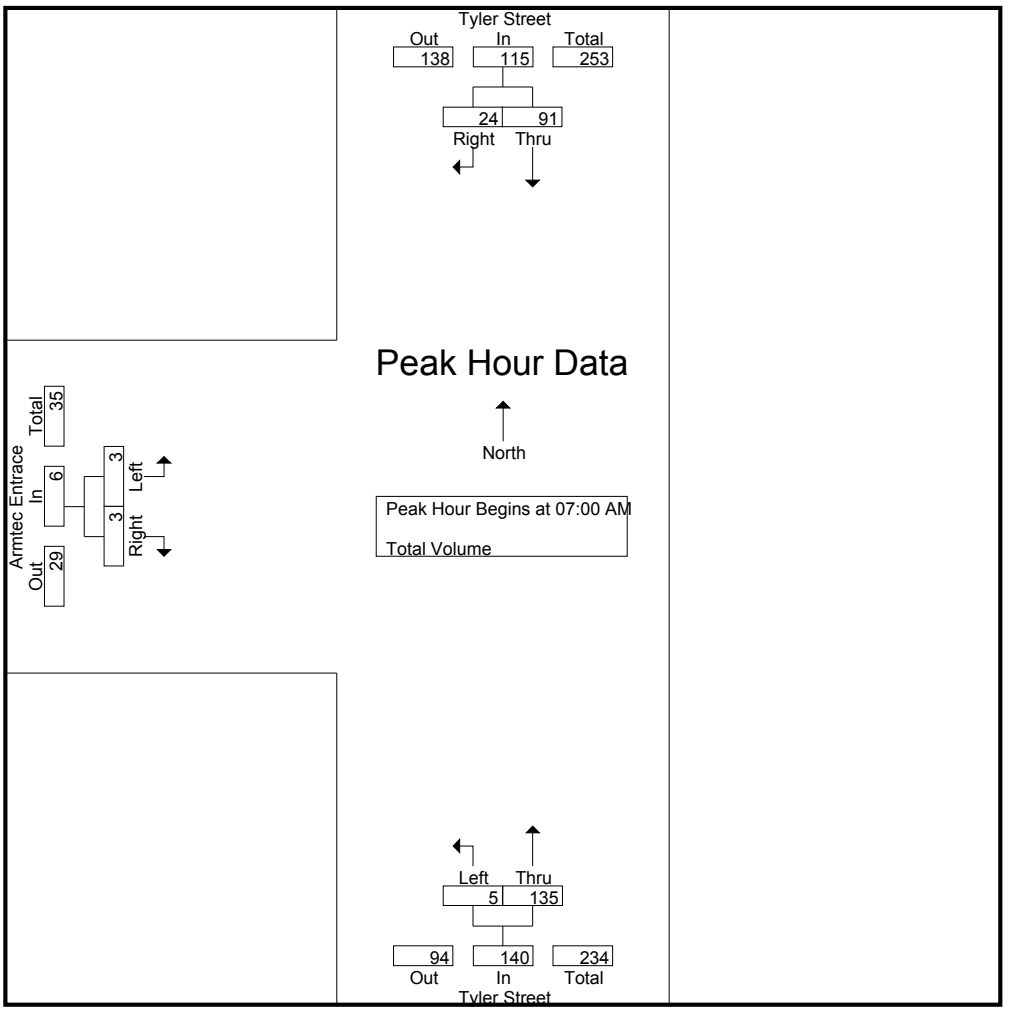
	Tyler Street Southbound			Tyler Street Northbound			Armtec Entrace Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
07:00 AM	30	16	46	3	35	38	1	2	3	87
07:15 AM	16	4	20	0	35	35	0	0	0	55
07:30 AM	23	4	27	1	32	33	2	0	2	62
07:45 AM	22	0	22	1	33	34	0	1	1	57
Total	91	24	115	5	135	140	3	3	6	261
08:00 AM	27	1	28	0	25	25	0	0	0	53
08:15 AM	14	1	15	0	20	20	0	0	0	35
08:30 AM	10	1	11	1	14	15	1	0	1	27
08:45 AM	19	1	20	1	26	27	1	0	1	48
Total	70	4	74	2	85	87	2	0	2	163
Grand Total	161	28	189	7	220	227	5	3	8	424
Apprch %	85.2	14.8		3.1	96.9		62.5	37.5		
Total %	38	6.6	44.6	1.7	51.9	53.5	1.2	0.7	1.9	

	Tyler Street Southbound			Tyler Street Northbound			Armtec Entrace Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	**30**	**16**	**46**	**3**	**35**	**38**	1	**2**	**3**	**87**
07:15 AM	16	4	20	0	35	35	0	0	0	55
07:30 AM	23	4	27	1	32	33	**2**	0	2	62
07:45 AM	22	0	22	1	33	34	0	1	1	57
Total Volume	91	24	115	5	135	140	3	3	6	261
% App. Total	79.1	20.9		3.6	96.4		50	50		
PHF	.758	.375	.625	.417	.964	.921	.375	.375	.500	.750

Counts Unlimited, Inc.
PO Box 1178
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(951) 268-6268

City of Coachella
N/S: Tyler Street
E/W: Armtec Entrace
Weather: Clear

File Name : 03_COA_Tyler_Arm AM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:00 AM		
+0 mins.	**30**	**16**	**46**	**3**	**35**	**38**	1	**2**	**3**
+15 mins.	16	4	20	0	35	35	0	0	0
+30 mins.	23	4	27	1	32	33	**2**	0	2
+45 mins.	22	0	22	1	33	34	0	1	1
Total Volume	91	24	115	5	135	140	3	3	6
% App. Total	79.1	20.9		3.6	96.4		50	50	
PHF	.758	.375	.625	.417	.964	.921	.375	.375	.500

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City of Coachella
N/S: Tyler Street
E/W: Armtec Entrace
Weather: Clear

File Name : 03_COA_Tyler_Arm PM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 1

Groups Printed- Total Volume

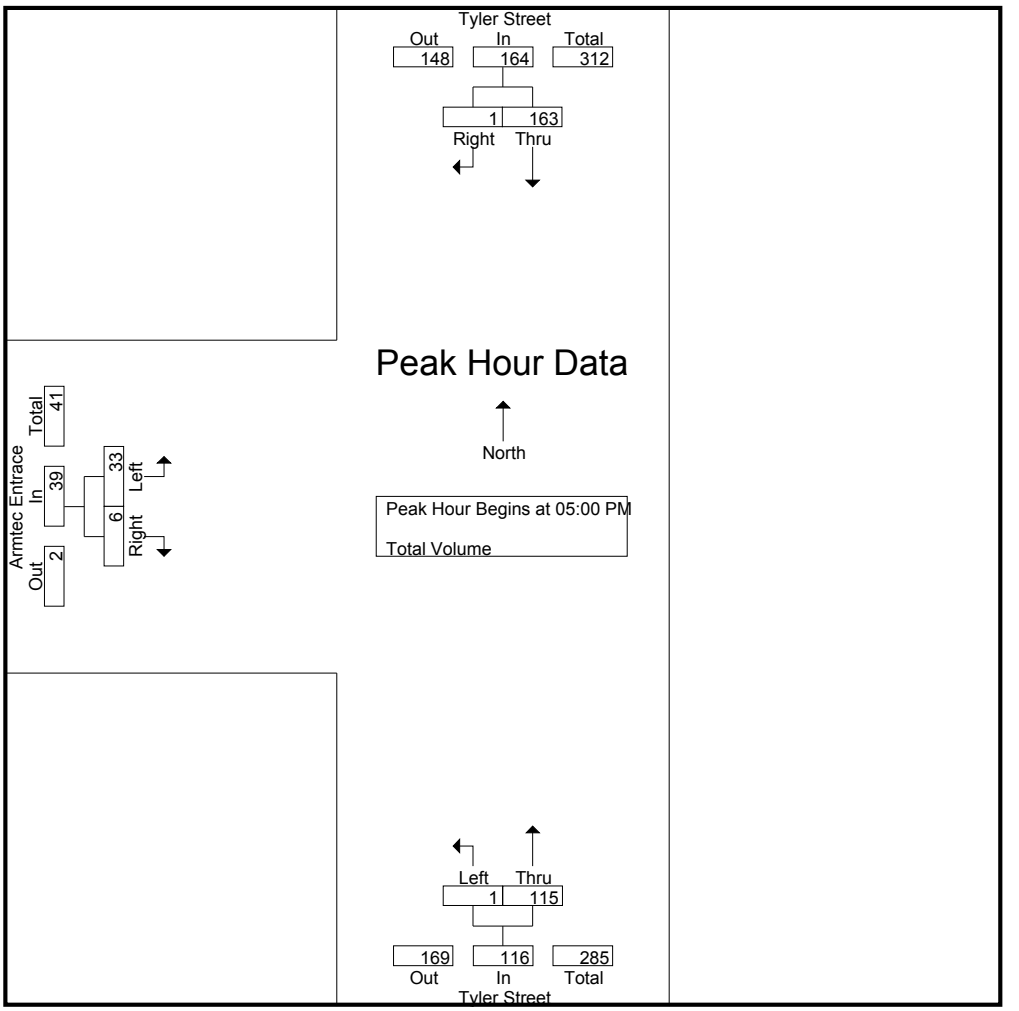
	Tyler Street Southbound			Tyler Street Northbound			Armtec Entrace Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	27	1	28	0	32	32	8	2	10	70
04:15 PM	33	1	34	0	29	29	5	1	6	69
04:30 PM	39	0	39	0	34	34	3	0	3	76
04:45 PM	35	1	36	0	39	39	4	0	4	79
Total	134	3	137	0	134	134	20	3	23	294
05:00 PM	39	0	39	0	18	18	4	1	5	62
05:15 PM	36	0	36	1	27	28	1	0	1	65
05:30 PM	52	1	53	0	26	26	23	5	28	107
05:45 PM	36	0	36	0	44	44	5	0	5	85
Total	163	1	164	1	115	116	33	6	39	319
Grand Total	297	4	301	1	249	250	53	9	62	613
Apprch %	98.7	1.3		0.4	99.6		85.5	14.5		
Total %	48.5	0.7	49.1	0.2	40.6	40.8	8.6	1.5	10.1	

	Tyler Street Southbound			Tyler Street Northbound			Armtec Entrace Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 05:00 PM										
05:00 PM	39	0	39	0	18	18	4	1	5	62
05:15 PM	36	0	36	**1**	27	28	1	0	1	65
05:30 PM	**52**	**1**	**53**	0	26	26	**23**	**5**	**28**	**107**
05:45 PM	36	0	36	0	**44**	**44**	5	0	5	85
Total Volume	163	1	164	1	115	116	33	6	39	319
% App. Total	99.4	0.6		0.9	99.1		84.6	15.4		
PHF	.784	.250	.774	.250	.653	.659	.359	.300	.348	.745

Counts Unlimited, Inc.
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City of Coachella
N/S: Tyler Street
E/W: Armtec Entrace
Weather: Clear

File Name : 03_COA_Tyler_Arm PM
Site Code : 05124576
Start Date : 6/12/2024
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM			04:00 PM			05:00 PM		
+0 mins.	35	**1**	36	0	32	32	4	1	5
+15 mins.	39	0	39	0	29	29	1	0	1
+30 mins.	36	0	36	0	34	34	**23**	**5**	**28**
+45 mins.	**52**	1	**53**	0	**39**	**39**	5	0	5
Total Volume	162	2	164	0	134	134	33	6	39
% App. Total	98.8	1.2		0	100		84.6	15.4	
PHF	.779	.500	.774	.000	.859	.859	.359	.300	.348

INTERSECTION TURNING MOVEMENT COUNTS

T101823

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Thu, Jan 18, 24

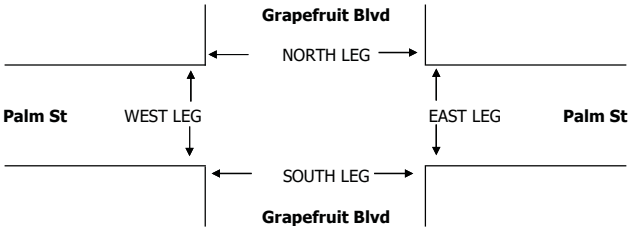
LOCATION: Coachella
NORTH & SOUTH: Grapefruit Blvd
EAST & WEST: Palm St

PROJECT #: SC4392
LOCATION #: 6
CONTROL: SIGNAL

NOTES:

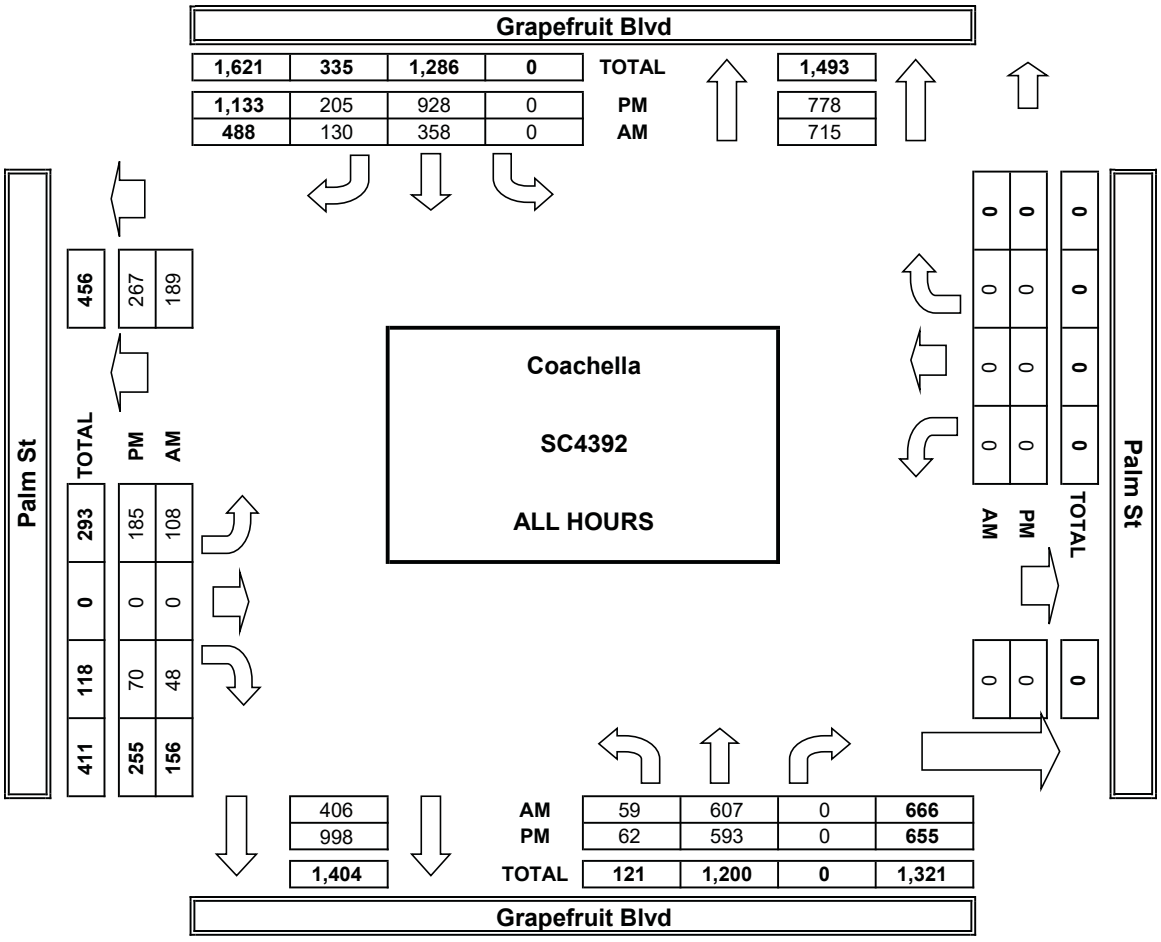
AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

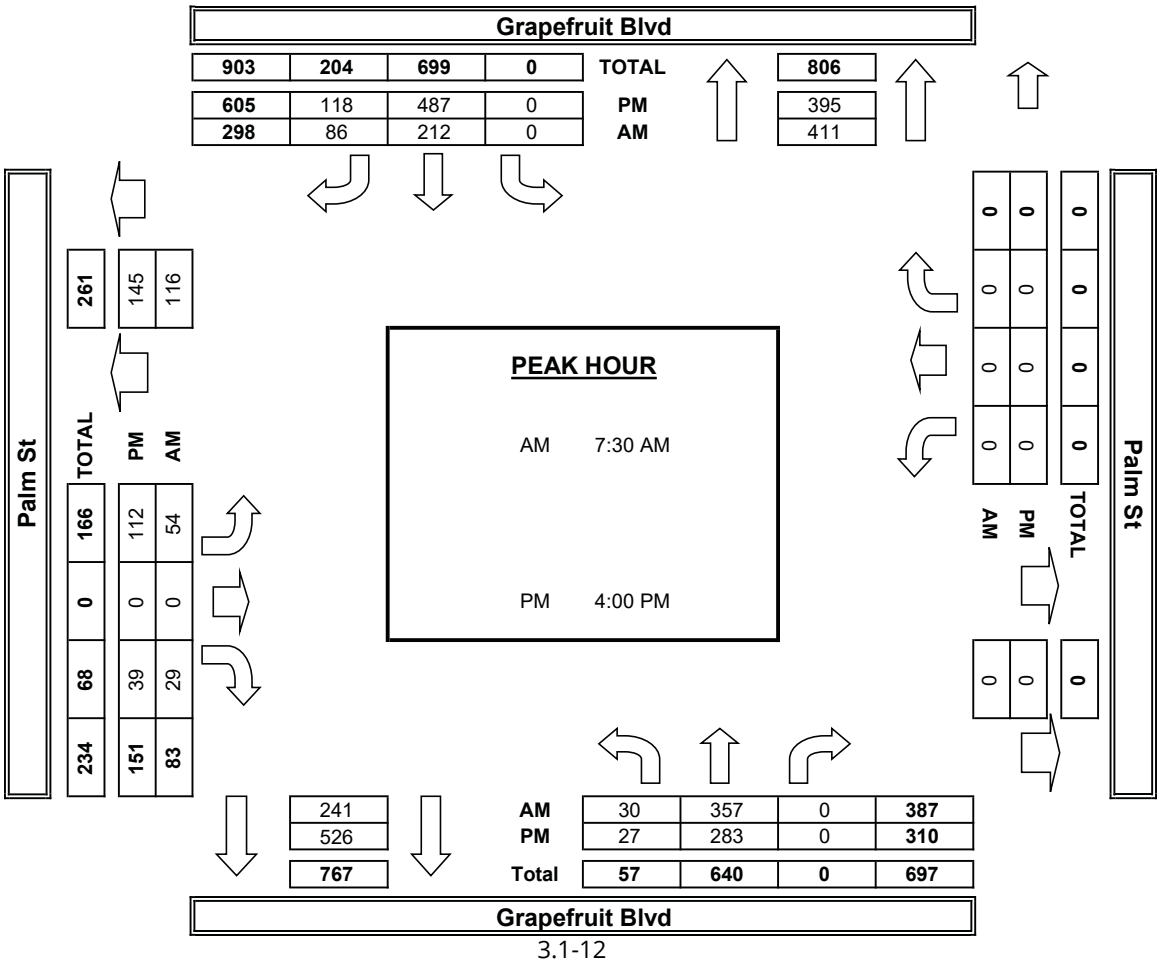
		NORTHBOUND Grapefruit Blvd			SOUTHBOUND Grapefruit Blvd			EASTBOUND Palm St			WESTBOUND Palm St				U-TURNS				
	LANES:	NL 1	NT 1	NR X	SL X	ST 1	SR 1	EL 1	ET X	ER 1	WL X	WT X	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	9	58	0	0	38	10	16	0	9	0	0	0	140	0	0	0	0	0
	7:15 AM	7	68	0	0	32	8	10	0	3	0	0	0	128	0	0	0	0	0
	7:30 AM	5	95	0	0	31	16	13	0	4	0	0	0	164	0	0	0	0	0
	7:45 AM	7	82	0	0	62	33	15	0	6	0	0	0	205	0	0	0	0	0
	8:00 AM	9	95	0	0	73	19	15	0	10	0	0	0	221	0	0	0	0	0
	8:15 AM	9	85	0	0	46	18	11	0	9	0	0	0	178	0	0	0	0	0
	8:30 AM	5	73	0	0	36	12	13	0	3	0	0	0	142	0	0	0	0	0
	8:45 AM	8	51	0	0	40	14	15	0	4	0	0	0	132	0	0	0	0	0
	VOLUMES	59	607	0	0	358	130	108	0	48	0	0	0	1,310	0	0	0	0	0
	APPROACH %	9%	91%	0%	0%	73%	27%	69%	0%	31%	0%	0%	0%						
	APP/DEPART	666	/	715	488	/	406	156	/	0	0	/	189	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	30	357	0	0	212	86	54	0	29	0	0	0	768					
	APPROACH %	8%	92%	0%	0%	71%	29%	65%	0%	35%	0%	0%	0%						
	PEAK HR FACTOR		0.930			0.784			0.830			0.000		0.869					
	APP/DEPART	387	/	411	298	/	241	83	/	0	0	/	116	0					
PM	4:00 PM	7	79	0	0	135	27	30	0	5	0	0	0	283	0	0	0	0	0
	4:15 PM	4	64	0	0	114	40	21	0	10	0	0	0	253	0	0	0	0	0
	4:30 PM	11	75	0	0	132	27	33	0	8	0	0	0	286	0	0	0	0	0
	4:45 PM	5	65	0	0	106	24	28	0	16	0	0	0	244	0	0	0	0	0
	5:00 PM	11	81	0	0	127	20	25	0	7	0	0	0	271	0	0	0	0	0
	5:15 PM	9	73	0	0	97	24	21	0	7	0	0	0	231	0	0	0	0	0
	5:30 PM	7	86	0	0	112	21	10	0	11	0	0	0	247	0	0	0	0	0
	5:45 PM	8	70	0	0	105	22	17	0	6	0	0	0	228	0	0	0	0	0
	VOLUMES	62	593	0	0	928	205	185	0	70	0	0	0	2,043	0	0	0	0	0
	APPROACH %	9%	91%	0%	0%	82%	18%	73%	0%	27%	0%	0%	0%						
	APP/DEPART	655	/	778	1,133	/	998	255	/	0	0	/	267	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	27	283	0	0	487	118	112	0	39	0	0	0	1,066					
	APPROACH %	9%	91%	0%	0%	80%	20%	74%	0%	26%	0%	0%	0%						
	PEAK HR FACTOR		0.901			0.934			0.858			0.000		0.932					
	APP/DEPART	310	/	395	605	/	526	151	/	0	0	/	145	0					



		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BEGIN PEAK HR			7:30 AM			0	0	0	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	BEGIN PEAK HR			4:00 PM			0	0	0	0	0					

AimTD LLC
TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

T101823

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Thu, Jan 18, 24

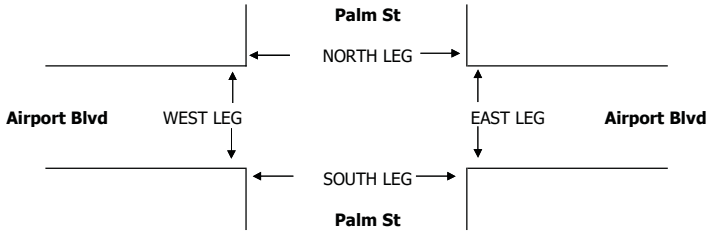
LOCATION: Coachella
NORTH & SOUTH: Palm St
EAST & WEST: Airport Blvd

PROJECT #: SC4392
LOCATION #: 4
CONTROL: SIGNAL

NOTES:

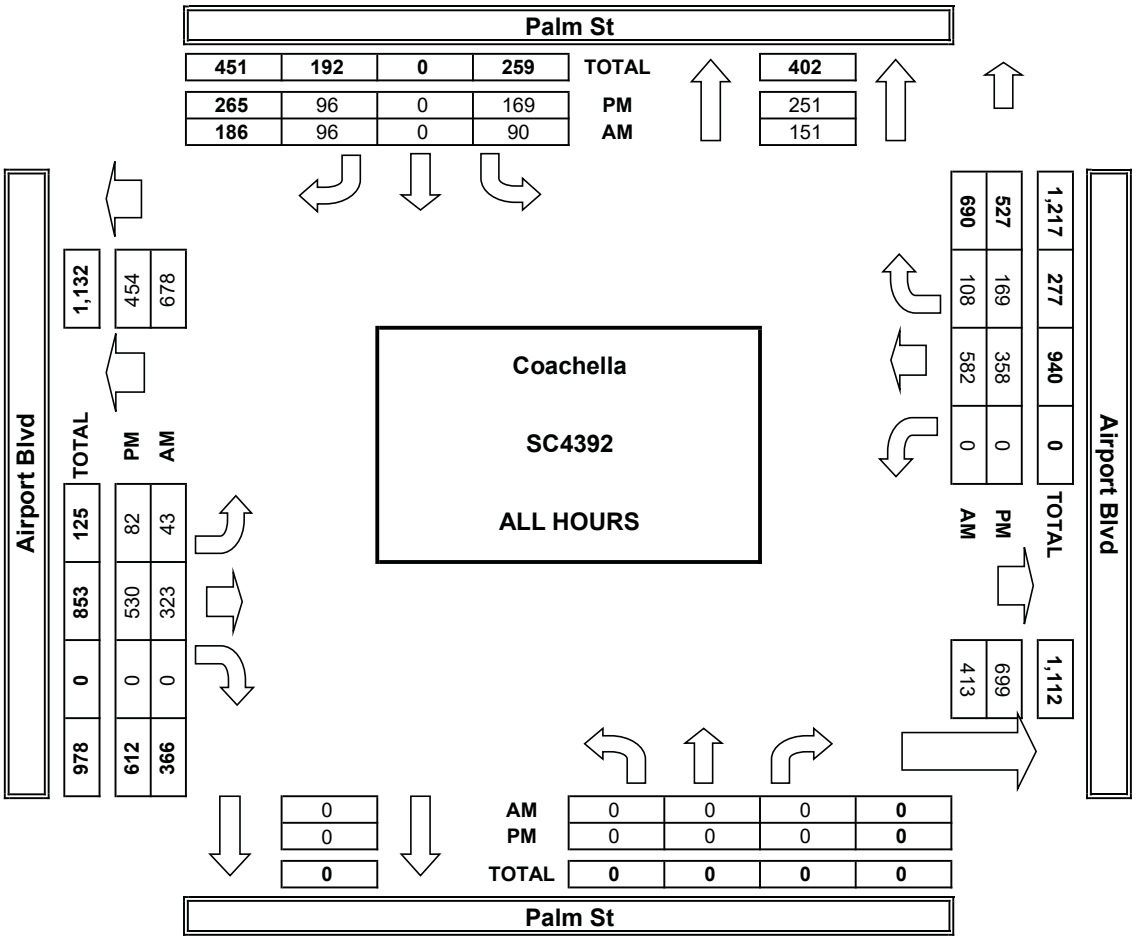
AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

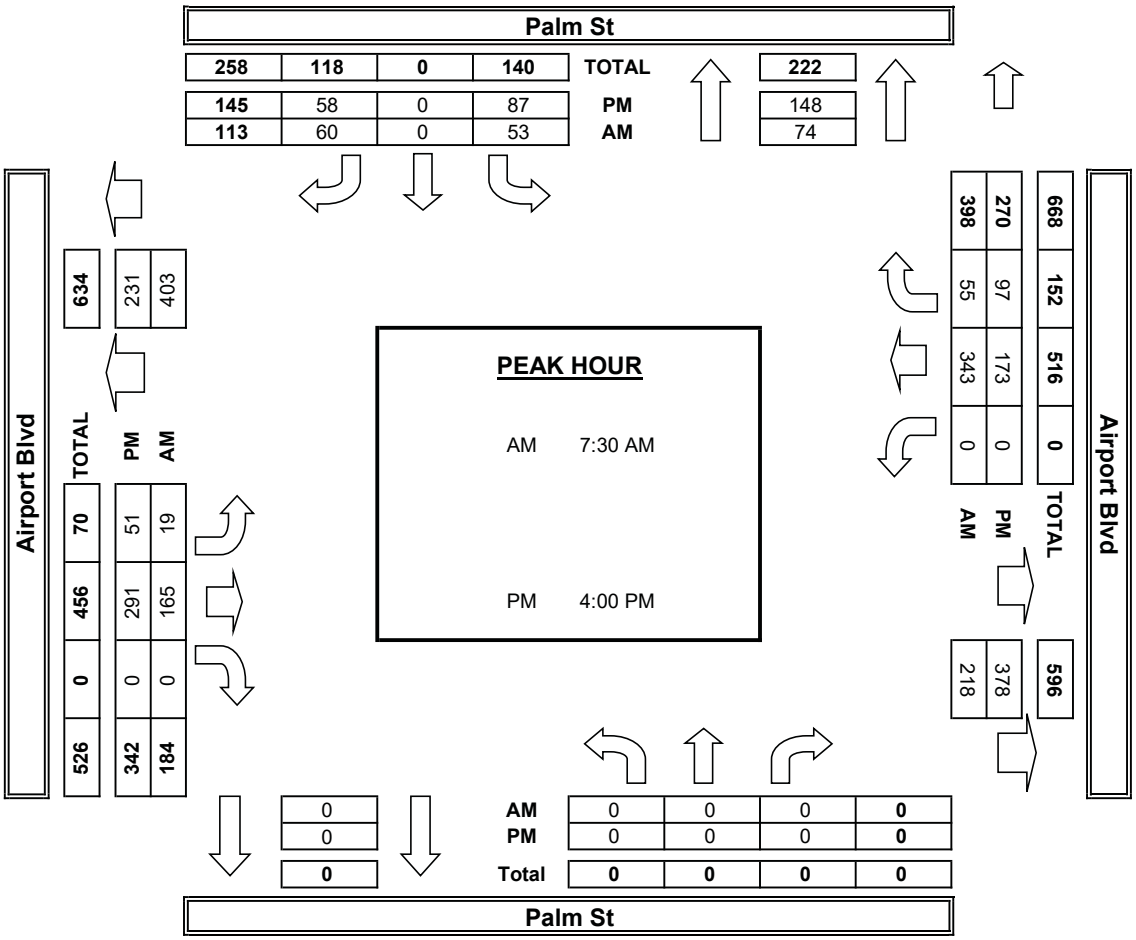
		NORTHBOUND Palm St			SOUTHBOUND Palm St			EASTBOUND Airport Blvd			WESTBOUND Airport Blvd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 0	EL 1	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	10	0	9	4	44	0	0	90	21	178	0	0	0	0	0
	7:15 AM	0	0	0	8	0	5	3	44	0	0	57	12	129	0	0	0	0	0
	7:30 AM	0	0	0	9	0	12	6	35	0	0	98	8	168	0	0	0	0	0
	7:45 AM	0	0	0	15	0	22	3	50	0	0	87	19	196	0	0	0	0	0
	8:00 AM	0	0	0	11	0	13	4	37	0	0	102	14	181	0	0	0	0	0
	8:15 AM	0	0	0	18	0	13	6	43	0	0	56	14	150	0	0	0	0	0
	8:30 AM	0	0	0	10	0	9	8	36	0	0	44	10	117	0	0	0	0	0
	8:45 AM	0	0	0	9	0	13	9	34	0	0	48	10	123	0	0	0	0	0
	VOLUMES	0	0	0	90	0	96	43	323	0	0	582	108	1,242	0	0	0	0	0
	APPROACH %	0%	0%	0%	48%	0%	52%	12%	88%	0%	0%	84%	16%						
	APP/DEPART	0	/	151	186	/	0	366	/	413	690	/	678	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	53	0	60	19	165	0	0	343	55	695					
	APPROACH %	0%	0%	0%	47%	0%	53%	10%	90%	0%	0%	86%	14%						
	PEAK HR FACTOR		0.000			0.764			0.868			0.858		0.886					
	APP/DEPART	0	/	74	113	/	0	184	/	218	398	/	403	0					
PM	4:00 PM	0	0	0	22	0	13	14	73	0	0	47	25	194	0	0	0	0	0
	4:15 PM	0	0	0	27	0	13	9	74	0	0	25	20	168	0	0	0	0	0
	4:30 PM	0	0	0	25	0	20	16	83	0	0	48	25	217	0	0	0	0	0
	4:45 PM	0	0	0	13	0	12	12	61	0	0	53	27	178	0	0	0	0	0
	5:00 PM	0	0	0	23	0	8	11	60	0	0	59	17	178	0	0	0	0	0
	5:15 PM	0	0	0	25	0	8	7	71	0	0	39	21	171	0	0	0	0	0
	5:30 PM	0	0	0	15	0	14	5	57	0	0	52	19	162	0	0	0	0	0
	5:45 PM	0	0	0	19	0	8	8	51	0	0	35	15	136	0	0	0	0	0
	VOLUMES	0	0	0	169	0	96	82	530	0	0	358	169	1,404	0	0	0	0	0
	APPROACH %	0%	0%	0%	64%	0%	36%	13%	87%	0%	0%	68%	32%						
	APP/DEPART	0	/	251	265	/	0	612	/	699	527	/	454	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	87	0	58	51	291	0	0	173	97	757					
	APPROACH %	0%	0%	0%	60%	0%	40%	15%	85%	0%	0%	64%	36%						
	PEAK HR FACTOR		0.000			0.806			0.864			0.844		0.872					
	APP/DEPART	0	/	148	145	/	0	342	/	378	270	/	231	0					



		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	8:00 AM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	3	3	0	0	0	3	3	0	0	0	0	0
	BEGIN PEAK HR	7:30 AM					0	0	0	2	2					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BEGIN PEAK HR	4:00 PM					0	0	0	0	0					

AimTD LLC
TURNING MOVEMENT COUNTS





Thursday, January 18, 2024 CITY: Coachella PROJECT: SC4392

ADT3 Airport Blvd between Project Dwy and Palm St.

Prepared by AimTD LLC tel. 714 253 7888

AM Period	EB		WB			PM Period	EB		WB		
0:00	6		3			12:00	44		58		
0:15	3		6			12:15	48		45		
0:30	1		5			12:30	42		36		
0:45	3	13	1	15	28	12:45	49	183	49	188	371
1:00	3		2			13:00	61		63		
1:15	1		3			13:15	50		62		
1:30	1		5			13:30	65		74		
1:45	2	7	4	14	21	13:45	73	249	67	266	515
2:00	3		3			14:00	75		67		
2:15	4		4			14:15	67		71		
2:30	1		0			14:30	94		74		
2:45	1	9	0	7	16	14:45	98	334	84	296	630
3:00	1		3			15:00	107		78		
3:15	4		2			15:15	97		73		
3:30	17		9			15:30	81		63		
3:45	14	36	12	26	62	15:45	71	356	58	272	628
4:00	9		13			16:00	95		72		
4:15	9		9			16:15	101		45		
4:30	10		25			16:30	108		73		
4:45	33	61	33	80	141	16:45	74	378	80	270	648
5:00	27		26			17:00	83		76		
5:15	43		27			17:15	96		60		
5:30	28		49			17:30	72		71		
5:45	63	161	62	164	325	17:45	70	321	50	257	578
6:00	52		71			18:00	59		41		
6:15	75		91			18:15	63		52		
6:30	59		100			18:30	59		40		
6:45	52	238	119	381	619	18:45	48	229	30	163	392
7:00	54		111			19:00	30		27		
7:15	52		69			19:15	41		27		
7:30	44		106			19:30	29		21		
7:45	65	215	106	392	607	19:45	34	134	25	100	234
8:00	48		116			20:00	26		31		
8:15	61		70			20:15	19		18		
8:30	46		54			20:30	27		19		
8:45	43	198	58	298	496	20:45	26	98	14	82	180
9:00	34		52			21:00	21		20		
9:15	24		57			21:15	28		24		
9:30	37		51			21:30	25		15		
9:45	32	127	37	197	324	21:45	14	88	18	77	165
10:00	36		53			22:00	16		13		
10:15	49		33			22:15	14		11		
10:30	34		39			22:30	12		11		
10:45	28	147	39	164	311	22:45	10	52	12	47	99
11:00	37		46			23:00	10		6		
11:15	33		47			23:15	3		9		
11:30	37		43			23:30	9		8		
11:45	42	149	43	179	328	23:45	7	29	8	31	60
Total Vol.		1361		1917	**3278**			2451		2049	**4500**

Daily Totals	EB	WB	**Combined**
	3812	3966	**7778**

	AM			**PM**		
Split %	41.5%	58.5%	**42.1%**	54.5%	45.5%	**57.9%**
Peak Hour	5:45	6:15	**6:15**	14:30	14:30	**14:30**
Volume	249	421	**661**	396	309	**705**
P.H.F.	0.83	0.88	**0.97**	0.93	0.92	**0.95**

cs@aimtd.com Tell. 714 253 7888

1360

Thursday, January 18, 2024 CITY: Coachella PROJECT: SC4392

ADT4 Airport Blvd between Palm St and Polk St.

Prepared by AimTD LLC tel. 714 253 7888

AM Period	EB		WB			PM Period	EB		WB		
0:00	8		3			12:00	42		46		
0:15	2		8			12:15	51		43		
0:30	1		6			12:30	34		34		
0:45	2	13	1	18	31	12:45	39	166	38	161	327
1:00	2		1			13:00	52		50		
1:15	1		3			13:15	46		60		
1:30	0		3			13:30	62		55		
1:45	2	5	3	10	15	13:45	63	223	59	224	447
2:00	2		2			14:00	67		55		
2:15	4		4			14:15	62		63		
2:30	1		0			14:30	93		70		
2:45	1	8	0	6	14	14:45	96	318	71	259	577
3:00	1		3			15:00	98		72		
3:15	3		4			15:15	89		68		
3:30	10		9			15:30	85		62		
3:45	9	23	11	27	50	15:45	58	330	54	256	586
4:00	7		12			16:00	87		60		
4:15	5		9			16:15	83		38		
4:30	10		24			16:30	99		68		
4:45	23	45	30	75	120	16:45	73	342	65	231	573
5:00	18		25			17:00	71		67		
5:15	29		29			17:15	78		47		
5:30	19		49			17:30	62		66		
5:45	54	120	57	160	280	17:45	59	270	43	223	493
6:00	46		64			18:00	47		46		
6:15	61		84			18:15	49		48		
6:30	46		105			18:30	50		27		
6:45	44	197	121	374	571	18:45	33	179	22	143	322
7:00	48		99			19:00	23		24		
7:15	47		62			19:15	33		28		
7:30	41		110			19:30	14		16		
7:45	53	189	109	380	569	19:45	27	97	17	85	182
8:00	41		115			20:00	15		25		
8:15	49		69			20:15	16		14		
8:30	44		53			20:30	23		18		
8:45	43	177	61	298	475	20:45	21	75	15	72	147
9:00	35		43			21:00	15		17		
9:15	23		54			21:15	25		19		
9:30	33		48			21:30	19		12		
9:45	25	116	31	176	292	21:45	11	70	17	65	135
10:00	36		45			22:00	14		16		
10:15	47		31			22:15	12		10		
10:30	33		27			22:30	11		11		
10:45	26	142	34	137	279	22:45	4	41	11	48	89
11:00	32		36			23:00	8		5		
11:15	30		44			23:15	3		8		
11:30	35		40			23:30	5		9		
11:45	34	131	36	156	287	23:45	6	22	7	29	51
Total Vol.		1166		1817	**2983**		2133		1796		**3929**

Daily Totals		
EB	WB	**Combined**
3299	3613	**6912**

	AM			**PM**		
Split %	39.1%	60.9%	**43.2%**	54.3%	45.7%	**56.8%**
Peak Hour	5:45	6:15	**6:15**	14:30	14:30	**14:30**
Volume	207	409	**608**	376	281	**657**
P.H.F.	0.85	0.85	**0.92**	0.96	0.98	**0.97**

cs@aimtd.com Tell. 714 253 7888

1361

Thursday, January 18, 2024 CITY: Coachella PROJECT: SC4392

ADT5 Grapefruit Blvd between Palm St and Ave 54.

Prepared by AimTD LLC tel. 714 253 7888

AM Period	NB		SB			PM Period	NB		SB		
0:00	8		16			12:00	78		81		
0:15	5		13			12:15	79		75		
0:30	3		6			12:30	77		70		
0:45	1	17	4	39	56	12:45	68	302	70	296	598
1:00	5		4			13:00	70		88		
1:15	2		5			13:15	86		102		
1:30	3		4			13:30	96		95		
1:45	3	13	2	15	28	13:45	84	336	92	377	713
2:00	1		2			14:00	98		114		
2:15	1		3			14:15	119		95		
2:30	5		4			14:30	110		121		
2:45	1	8	1	10	18	14:45	123	450	120	450	900
3:00	6		2			15:00	139		127		
3:15	1		2			15:15	143		124		
3:30	10		11			15:30	117		143		
3:45	11	28	15	30	58	15:45	115	514	152	546	1060
4:00	10		11			16:00	109		162		
4:15	21		10			16:15	85		154		
4:30	24		11			16:30	108		159		
4:45	46	101	24	56	157	16:45	93	395	130	605	1000
5:00	30		39			17:00	106		147		
5:15	38		57			17:15	94		121		
5:30	65		73			17:30	96		133		
5:45	70	203	90	259	462	17:45	87	383	127	528	911
6:00	76		89			18:00	63		126		
6:15	81		71			18:15	56		109		
6:30	90		69			18:30	65		74		
6:45	88	335	79	308	643	18:45	40	224	84	393	617
7:00	74		48			19:00	57		65		
7:15	78		40			19:15	43		71		
7:30	108		47			19:30	19		69		
7:45	97	357	95	230	587	19:45	29	148	52	257	405
8:00	110		92			20:00	32		68		
8:15	96		64			20:15	22		61		
8:30	86		48			20:30	24		48		
8:45	66	358	54	258	616	20:45	25	103	44	221	324
9:00	62		46			21:00	16		53		
9:15	46		50			21:15	25		37		
9:30	64		59			21:30	28		43		
9:45	59	231	53	208	439	21:45	17	86	32	165	251
10:00	60		42			22:00	14		33		
10:15	69		41			22:15	7		30		
10:30	56		43			22:30	8		28		
10:45	51	236	51	177	413	22:45	7	36	18	109	145
11:00	65		68			23:00	6		18		
11:15	71		57			23:15	8		18		
11:30	72		53			23:30	4		13		
11:45	70	278	67	245	523	23:45	5	23	8	57	80
Total Vol.		2165		1835	**4000**			3000		4004	**7004**

Daily Totals

NB	SB	**Combined**
5165	5839	**11004**

	AM			**PM**		
Split %	54.1%	45.9%	**36.4%**	42.8%	57.2%	**63.6%**
Peak Hour	7:30	5:30	**7:30**	14:45	15:45	**15:15**
Volume	411	323	**709**	522	627	**1065**
P.H.F.	0.93	0.90	**0.88**	0.96	0.97	**0.98**

cs@aimtd.com Tell. 714 253 7888

1362

Thursday, January 18, 2024 CITY: Coachella PROJECT: SC4392

ADT6 Grapefruit Blvd between Avenue 54 and Tyler St.

Prepared by AimTD LLC tel. 714 253 7888

AM Period	NB		SB			PM Period	NB		SB		
0:00	15		13			12:00	81		68		
0:15	9		4			12:15	70		62		
0:30	0		3			12:30	87		70		
0:45	2	26	5	25	51	12:45	57	295	72	272	567
1:00	6		4			13:00	71		86		
1:15	0		2			13:15	76		86		
1:30	2		2			13:30	79		81		
1:45	2	10	2	10	20	13:45	75	301	89	342	643
2:00	1		1			14:00	83		93		
2:15	2		2			14:15	93		87		
2:30	3		2			14:30	99		104		
2:45	1	7	2	7	14	14:45	104	379	93	377	756
3:00	5		3			15:00	109		112		
3:15	1		5			15:15	118		114		
3:30	4		10			15:30	109		109		
3:45	5	15	15	33	48	15:45	104	440	129	464	904
4:00	11		6			16:00	107		130		
4:15	10		9			16:15	96		125		
4:30	11		11			16:30	94		138		
4:45	25	57	24	50	107	16:45	84	381	112	505	886
5:00	21		31			17:00	98		125		
5:15	30		56			17:15	98		103		
5:30	32		78			17:30	79		111		
5:45	41	124	93	258	382	17:45	77	352	107	446	798
6:00	49		80			18:00	71		105		
6:15	60		65			18:15	51		85		
6:30	63		67			18:30	57		71		
6:45	65	237	75	287	524	18:45	46	225	70	331	556
7:00	59		40			19:00	50		57		
7:15	66		43			19:15	38		54		
7:30	80		51			19:30	19		59		
7:45	95	300	91	225	525	19:45	26	133	56	226	359
8:00	80		82			20:00	27		58		
8:15	93		58			20:15	12		39		
8:30	78		54			20:30	27		47		
8:45	66	317	49	243	560	20:45	18	84	38	182	266
9:00	54		40			21:00	11		45		
9:15	50		62			21:15	20		30		
9:30	54		56			21:30	24		30		
9:45	38	196	47	205	401	21:45	19	74	31	136	210
10:00	48		45			22:00	20		26		
10:15	59		35			22:15	5		26		
10:30	55		34			22:30	8		18		
10:45	53	215	51	165	380	22:45	6	39	13	83	122
11:00	54		63			23:00	7		13		
11:15	72		64			23:15	4		14		
11:30	61		48			23:30	4		8		
11:45	61	248	68	243	491	23:45	4	19	5	40	59
Total Vol.	1752		1751		**3503**		2722		3404		**6126**

Daily Totals

NB	SB	**Combined**
4474	5155	**9629**

	AM			**PM**		
Split %	50.0%	50.0%	**36.4%**	44.4%	55.6%	**63.6%**
Peak Hour	7:30	5:30	**7:45**	14:45	15:45	**15:45**
Volume	348	316	**631**	440	522	**923**
P.H.F.	0.92	0.85	**0.85**	0.95	0.95	**0.97**

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Thursday, January 18, 2024 CITY: Coachella PROJECT: SC4392

ADT7 Grapefruit Blvd between Tyler St and 52nd Ave.

Prepared by AimTD LLC tel. 714 253 7888

AM Period	NB		SB			PM Period	NB		SB		
0:00	19		21			12:00	108		89		
0:15	9		10			12:15	99		92		
0:30	0		4			12:30	106		100		
0:45	5	33	4	39	72	12:45	82	395	105	386	781
1:00	8		5			13:00	92		125		
1:15	0		5			13:15	108		115		
1:30	5		4			13:30	121		105		
1:45	6	19	6	20	39	13:45	116	437	124	469	906
2:00	6		3			14:00	119		132		
2:15	3		4			14:15	137		123		
2:30	14		6			14:30	156		158		
2:45	4	27	16	29	56	14:45	141	553	153	566	1119
3:00	9		6			15:00	144		179		
3:15	3		11			15:15	163		186		
3:30	8		14			15:30	157		190		
3:45	12	32	29	60	92	15:45	166	630	220	775	1405
4:00	17		7			16:00	164		218		
4:15	17		8			16:15	140		200		
4:30	20		19			16:30	146		214		
4:45	38	92	29	63	155	16:45	126	576	165	797	1373
5:00	39		38			17:00	141		184		
5:15	56		63			17:15	143		168		
5:30	52		93			17:30	136		174		
5:45	80	227	118	312	539	17:45	122	542	176	702	1244
6:00	86		97			18:00	115		164		
6:15	95		89			18:15	77		136		
6:30	117		100			18:30	90		111		
6:45	116	414	123	409	823	18:45	73	355	107	518	873
7:00	117		83			19:00	84		92		
7:15	123		67			19:15	49		87		
7:30	147		74			19:30	38		95		
7:45	160	547	122	346	893	19:45	41	212	83	357	569
8:00	113		116			20:00	40		83		
8:15	127		93			20:15	31		75		
8:30	120		84			20:30	32		73		
8:45	97	457	73	366	823	20:45	31	134	55	286	420
9:00	76		64			21:00	14		71		
9:15	79		82			21:15	31		48		
9:30	71		74			21:30	31		45		
9:45	63	289	84	304	593	21:45	25	101	48	212	313
10:00	69		73			22:00	28		32		
10:15	88		55			22:15	9		38		
10:30	79		55			22:30	16		33		
10:45	77	313	74	257	570	22:45	10	63	26	129	192
11:00	72		86			23:00	9		22		
11:15	100		92			23:15	6		22		
11:30	91		61			23:30	10		19		
11:45	92	355	107	346	701	23:45	9	34	8	71	105
Total Vol.		2805		2551	**5356**			4032		5268	**9300**

Daily Totals

NB	SB	**Combined**
6837	7819	**14656**

	AM				**PM**		
Split %	52.4%	47.6%	**36.5%**		43.4%	56.6%	**63.5%**
Peak Hour	7:00	7:45	**7:30**		15:15	15:45	**15:45**
Volume	547	415	**952**		650	852	**1468**
P.H.F.	0.85	0.85	**0.84**		0.98	0.97	**0.95**

cs@aimtd.com Tell. 714 253 7888

Counts Unimited, Inc.

PO Box 1178
Corona, CA 92878
(951) 268-6268
email: counts@countsunlimited.com

City of Coachella
Avenue 53
W/ Tyler Street
24 Hour Directional Volume Count

COA003
Site Code: 051-24576

Start Time	6/12/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	5			5	12				
12:15		0	7			2	9				
12:30		0	4			2	20				
12:45		1	6	2	22	1	9	10	50	12	72
01:00		0	4			0	16				
01:15		0	7			1	9				
01:30		1	7			2	22				
01:45		1	6	2	24	0	15	3	62	5	86
02:00		0	6			2	19				
02:15		2	4			0	**30**				
02:30		0	**10**			3	**32**				
02:45		4	**8**	6	28	2	**28**	7	109	13	137
03:00		3	**8**			1	**23**				
03:15		6	**11**			1	30				
03:30		2	4			1	16				
03:45		2	5	13	28	1	17	4	86	17	114
04:00		2	10			1	30				
04:15		1	4			1	23				
04:30		7	8			0	29				
04:45		**8**	9	18	31	1	20	3	102	21	133
05:00		**14**	7			2	18				
05:15		**13**	8			8	28				
05:30		**9**	7			6	24				
05:45		8	10	44	32	2	13	18	83	62	115
06:00		8	9			3	30				
06:15		4	10			4	11				
06:30		10	7			4	14				
06:45		9	8	31	34	7	20	18	75	49	109
07:00		7	6			8	19				
07:15		8	8			7	14				
07:30		10	7			**13**	15				
07:45		10	12	35	33	**12**	14	40	62	75	95
08:00		7	6			**6**	30				
08:15		6	7			**16**	18				
08:30		6	11			7	13				
08:45		7	5	26	29	10	16	39	77	65	106
09:00		3	5			9	7				
09:15		5	3			5	10				
09:30		1	2			5	17				
09:45		6	3	15	13	12	5	31	39	46	52
10:00		4	4			9	8				
10:15		6	4			15	9				
10:30		3	2			8	8				
10:45		5	2	18	12	10	5	42	30	60	42
11:00		6	5			11	4				
11:15		2	1			5	4				
11:30		9	0			8	1				
11:45		7	3	24	9	12	4	36	13	60	22
Total		234	295	234	295	251	788	251	788	485	1083
Combined Total		529		529		1039		1039		1568	
AM Peak	-	04:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	44	-	-	-	47	-	-	-	-	-
P.H.F.		0.786				0.734					
PM Peak	-	-	02:30	-	-	-	02:15	-	-	-	-
Vol.	-	-	37	-	-	-	113	-	-	-	-
P.H.F.			0.841				0.883				
Percentage		44.2%	55.8%			24.2%	75.8%				
ADT/AADT		ADT 1,568		AADT 1,568							

Counts Unimited, Inc.

PO Box 1178
Corona, CA 92878
(951) 268-6268
email: counts@countsunlimited.com

City of Coachella
Tyler Street
B/ Avenue 53 - Armtec Entrance
24 Hour Directional Volume Count

COA002
Site Code: 051-24576

Start Time	6/12/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		8	40			6	25				
12:15		2	27			2	30				
12:30		3	42			3	32				
12:45		0	17	13	126	3	30	14	117	27	243
01:00		0	24			1	38				
01:15		2	32			2	39				
01:30		2	38			2	36				
01:45		2	35	6	129	3	33	8	146	14	275
02:00		8	26			1	43				
02:15		1	**46**			6	26				
02:30		16	**79**			9	42				
02:45		3	**49**	28	200	19	45	35	156	63	356
03:00		6	**42**			9	**46**				
03:15		2	40			13	**51**				
03:30		5	45			9	**54**				
03:45		2	48	15	175	18	**47**	49	198	64	373
04:00		8	39			6	31				
04:15		5	34			9	35				
04:30		4	36			13	39				
04:45		6	43	23	152	24	38	52	143	75	295
05:00		21	22			36	38				
05:15		37	28			33	37				
05:30		26	50			30	53				
05:45		27	47	111	147	38	38	137	166	248	313
06:00		29	37			28	44				
06:15		30	35			**35**	35				
06:30		31	24			**26**	30				
06:45		**44**	20	134	116	**48**	20	137	129	271	245
07:00		**41**	19			**44**	18				
07:15		**35**	20			19	28				
07:30		**34**	25			28	25				
07:45		34	15	144	79	23	22	114	93	258	172
08:00		27	28			29	26				
08:15		24	23			16	26				
08:30		16	18			15	23				
08:45		26	13	93	82	20	27	80	102	173	184
09:00		25	11			18	17				
09:15		19	14			26	24				
09:30		27	15			15	25				
09:45		23	9	94	49	25	10	84	76	178	125
10:00		22	9			23	14				
10:15		22	5			22	21				
10:30		17	8			20	10				
10:45		22	3	83	25	26	3	91	48	174	73
11:00		19	6			23	14				
11:15		20	6			21	8				
11:30		27	4			19	6				
11:45		29	4	95	20	21	10	84	38	179	58
Total		839	1300	839	1300	885	1412	885	1412	1724	2712
Combined Total		2139		2139		2297		2297		4436	
AM Peak	-	06:45	-	-	-	06:15	-	-	-	-	-
Vol.	-	154	-	-	-	153	-	-	-	-	-
P.H.F.		0.875				0.797					
PM Peak	-	-	02:15	-	-	-	03:00	-	-	-	-
Vol.	-	-	216	-	-	-	198	-	-	-	-
P.H.F.			0.684				0.917				
Percentage		39.2%	60.8%			38.5%	61.5%				
ADT/AADT		ADT 4,436		AADT 4,436							

Counts Unimited, Inc.

PO Box 1178
Corona, CA 92878
(951) 268-6268
email: counts@countsunlimited.com

City of Coachella
Tyler Street
S/ Grapefruit Boulevard
24 Hour Directional Volume Count

COA001
Site Code: 051-24576

Start Time	6/12/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	42			5	29				
12:15		3	29			4	30				
12:30		2	44			8	44				
12:45		1	30	11	145	1	38	18	141	29	286
01:00		1	22			1	43				
01:15		2	42			4	43				
01:30		2	36			1	62				
01:45		3	47	8	147	3	48	9	196	17	343
02:00		6	23			5	57				
02:15		1	31			5	56				
02:30		11	**69**			8	52				
02:45		3	**37**	21	160	16	**55**	34	220	55	380
03:00		4	**44**			4	**68**				
03:15		6	**36**			8	**63**				
03:30		9	50			7	**67**				
03:45		3	44	22	174	15	53	34	251	56	425
04:00		8	44			3	52				
04:15		9	25			3	50				
04:30		18	32			7	44				
04:45		26	41	61	142	11	52	24	198	85	340
05:00		27	35			13	54				
05:15		46	32			18	66				
05:30		38	53			17	79				
05:45		42	52	153	172	30	43	78	242	231	414
06:00		43	31			30	63				
06:15		42	48			**31**	38				
06:30		44	32			**21**	42				
06:45		**53**	26	182	137	**44**	31	126	174	308	311
07:00		**53**	26			**39**	37				
07:15		**54**	28			21	33				
07:30		**49**	29			30	31				
07:45		49	21	205	104	17	28	107	129	312	233
08:00		37	29			21	46				
08:15		26	31			26	41				
08:30		27	22			15	32				
08:45		41	25	131	107	24	43	86	162	217	269
09:00		33	14			28	25				
09:15		24	14			25	29				
09:30		34	16			19	44				
09:45		31	12	122	56	28	14	100	112	222	168
10:00		30	9			27	15				
10:15		33	9			32	29				
10:30		26	7			27	15				
10:45		31	3	120	28	36	8	122	67	242	95
11:00		23	3			28	11				
11:15		25	8			20	12				
11:30		36	5			23	10				
11:45		38	4	122	20	25	10	96	43	218	63
Total		1158	1392	1158	1392	834	1935	834	1935	1992	3327
Combined Total		2550		2550		2769		2769		5319	
AM Peak	-	06:45	-	-	-	06:15	-	-	-	-	-
Vol.	-	209	-	-	-	135	-	-	-	-	-
P.H.F.		0.968				0.767					
PM Peak	-	-	02:30	-	-	-	02:45	-	-	-	-
Vol.	-	-	186	-	-	-	253	-	-	-	-
P.H.F.			0.674				0.930				
Percentage		45.4%	54.6%			30.1%	69.9%				
ADT/AADT		ADT 5,319		AADT 5,319							

APPENDIX 3.2: EXISTING (2024) CONDITIONS

INTERSECTION OPERATIONS ANALYSIS WORKSHEETS

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Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	222	4	10	338	278	127
Future Volume (vph)	222	4	10	338	278	127
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	13.8			17.6	7.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Shared Lane Traffic (%)						
Sign Control	Stop			Stop	Stop	

Intersection Summary	
Area Type:	Other
Control Type: Unsignalized	

Intersection	
Intersection Delay, s/veh	15.7
Intersection LOS	C

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	222	4	10	338	278	127
Future Vol, veh/h	222	4	10	338	278	127
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	264	5	12	402	331	151
Number of Lanes	1	0	0	1	1	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	2	1
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	2	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	1	0	1
HCM Control Delay, s/veh	14.9	18.3	13.9
HCM LOS	B	C	B

Lane	NBLn1	EBLn1	SBLn1	SBLn2
Vol Left, %	3%	98%	0%	0%
Vol Thru, %	97%	0%	100%	0%
Vol Right, %	0%	2%	0%	100%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	348	226	278	127
LT Vol	10	222	0	0
Through Vol	338	0	278	0
RT Vol	0	4	0	127
Lane Flow Rate	414	269	331	151
Geometry Grp	4a	2	5	5
Degree of Util (X)	0.645	0.471	0.551	0.222
Departure Headway (Hd)	5.601	6.304	5.989	5.278
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	642	570	602	679
Service Time	3.648	4.357	3.737	3.026
HCM Lane V/C Ratio	0.645	0.472	0.55	0.222
HCM Control Delay, s/veh	18.3	14.9	15.9	9.5
HCM Lane LOS	C	B	C	A
HCM 95th-tile Q	4.7	2.5	3.3	0.8



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	97	39	30	129	94	43
Future Volume (vph)	97	39	30	129	94	43
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	70			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	35			50	50	
Link Distance (ft)	743			558	590	
Travel Time (s)	14.3			7.4	13.8	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	97	39	30	129	94	43
Future Vol, veh/h	97	39	30	129	94	43
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	70	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	109	44	34	145	106	48

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	329	63	159	0	-	0
Stage 1	111	-	-	-	-	-
Stage 2	218	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	653	989	1419	-	-	-
Stage 1	902	-	-	-	-	-
Stage 2	818	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	631	980	1412	-	-	-
Mov Cap-2 Maneuver	631	-	-	-	-	-
Stage 1	876	-	-	-	-	-
Stage 2	814	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	11	1.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1412	-	631	980	-	-
HCM Lane V/C Ratio	0.024	-	0.173	0.045	-	-
HCM Control Delay (s/veh)	7.6	-	11.9	8.8	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0.1	-	0.6	0.1	-	-



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	3	3	6	156	105	28
Future Volume (vph)	3	3	6	156	105	28
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	100			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	30			50	50	
Link Distance (ft)	583			1051	558	
Travel Time (s)	13.3			14.3	7.4	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.75	0.75	0.75	0.75	0.75	0.75
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	3	3	6	156	105	28
Future Vol, veh/h	3	3	6	156	105	28
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	100	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	4	8	208	140	37

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	374	80	182	0	-	0
Stage 1	145	-	-	-	-	-
Stage 2	229	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	613	965	1392	-	-	-
Stage 1	868	-	-	-	-	-
Stage 2	808	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	603	956	1385	-	-	-
Mov Cap-2 Maneuver	653	-	-	-	-	-
Stage 1	858	-	-	-	-	-
Stage 2	804	-	-	-	-	-

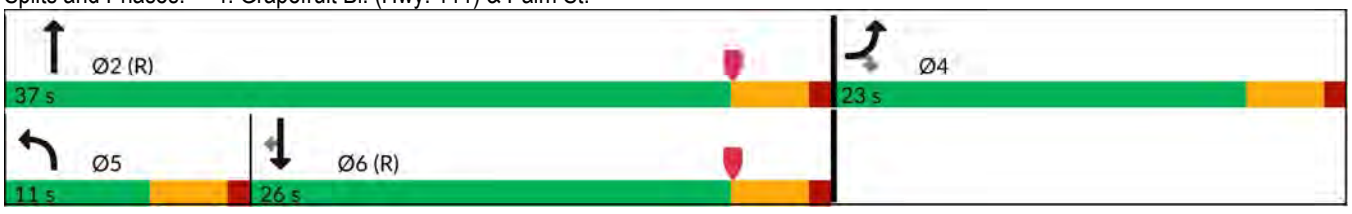
Approach	EB	NB	SB
HCM Control Delay, s/v	9.7	0.3	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1385	-	653	956	-	-
HCM Lane V/C Ratio	0.006	-	0.006	0.004	-	-
HCM Control Delay (s/veh)	7.6	-	10.5	8.8	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0	-	0	0	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	54	29	30	357	212	86
Future Volume (vph)	54	29	30	357	212	86
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100	0	245			205
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Right Turn on Red		Yes				Yes
Link Speed (mph)	35			45	45	
Link Distance (ft)	682			483	791	
Travel Time (s)	13.3			7.3	12.0	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Shared Lane Traffic (%)						
Turn Type	Prot	Perm	Prot	NA	NA	Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Detector Phase	4	4	5	2	6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	9.5	22.5	22.5	22.5
Total Split (s)	23.0	23.0	11.0	37.0	26.0	26.0
Total Split (%)	38.3%	38.3%	18.3%	61.7%	43.3%	43.3%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None	None	None	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 4: Grapefruit Bl. (Hwy. 111) & Palm St.





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	54	29	30	357	212	86
Future Volume (veh/h)	54	29	30	357	212	86
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	62	33	34	410	244	99
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	118	105	64	1466	1258	1062
Arrive On Green	0.07	0.07	0.04	0.78	0.67	0.67
Sat Flow, veh/h	1781	1585	1781	1870	1870	1579
Grp Volume(v), veh/h	62	33	34	410	244	99
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	1870	1579
Q Serve(g_s), s	2.0	1.2	1.1	3.6	2.9	1.3
Cycle Q Clear(g_c), s	2.0	1.2	1.1	3.6	2.9	1.3
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	118	105	64	1466	1258	1062
V/C Ratio(X)	0.53	0.31	0.53	0.28	0.19	0.09
Avail Cap(c_a), veh/h	549	489	193	1466	1258	1062
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.1	26.7	28.4	1.8	3.7	3.4
Incr Delay (d2), s/veh	3.6	1.7	6.6	0.5	0.3	0.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	1.1	0.6	0.2	0.6	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	30.7	28.4	35.0	2.3	4.0	3.6
LnGrp LOS	C	C	D	A	A	A
Approach Vol, veh/h	95			444	343	
Approach Delay, s/veh	29.9			4.8	3.9	
Approach LOS	C			A	A	

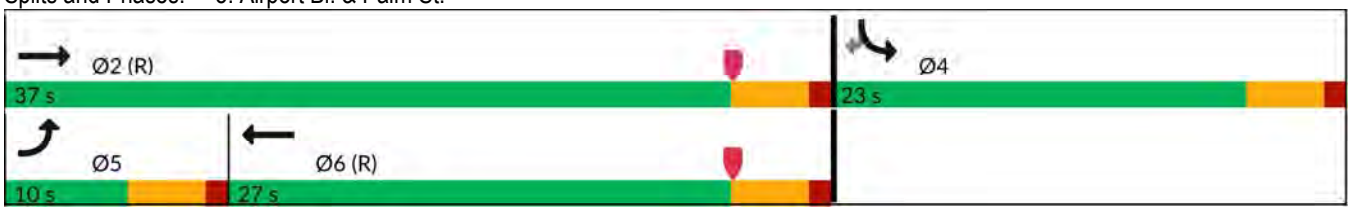
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		51.5		8.5	6.7	44.9
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	6.5	21.5
Max Q Clear Time (g_c+I1), s		5.6		4.0	3.1	4.9
Green Ext Time (p_c), s		2.3		0.2	0.0	1.4

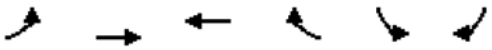
Intersection Summary		
HCM 6th Ctrl Delay, s/veh		7.1
HCM 6th LOS		A

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	19	165	343	64	56	60
Future Volume (vph)	19	165	343	64	56	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	140			0	100	0
Storage Lanes	1			0	1	1
Taper Length (ft)	90				90	
Right Turn on Red				Yes		Yes
Link Speed (mph)		45	45		35	
Link Distance (ft)		684	1384		682	
Travel Time (s)		10.4	21.0		13.3	
Confl. Peds. (#/hr)	5			5	5	5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases						4
Detector Phase	5	2	6		4	4
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	9.5	22.5	22.5		22.5	22.5
Total Split (s)	10.0	37.0	27.0		23.0	23.0
Total Split (%)	16.7%	61.7%	45.0%		38.3%	38.3%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	C-Max	C-Max		Max	Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 5: Airport Bl. & Palm St.





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	19	165	343	64	56	60
Future Volume (veh/h)	19	165	343	64	56	60
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	21	185	385	72	63	67
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	44	1925	1322	245	549	489
Arrive On Green	0.02	0.54	0.44	0.44	0.31	0.31
Sat Flow, veh/h	1781	3647	3083	554	1781	1585
Grp Volume(v), veh/h	21	185	227	230	63	67
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1767	1781	1585
Q Serve(g_s), s	0.7	1.5	4.9	5.0	1.5	1.8
Cycle Q Clear(g_c), s	0.7	1.5	4.9	5.0	1.5	1.8
Prop In Lane	1.00			0.31	1.00	1.00
Lane Grp Cap(c), veh/h	44	1925	785	781	549	489
V/C Ratio(X)	0.48	0.10	0.29	0.29	0.11	0.14
Avail Cap(c_a), veh/h	163	1925	785	781	549	489
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.9	6.6	10.7	10.7	14.9	15.0
Incr Delay (d2), s/veh	7.9	0.1	0.9	1.0	0.4	0.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.4	1.7	1.7	0.6	2.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	36.8	6.7	11.6	11.7	15.3	15.6
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		206	457		130	
Approach Delay, s/veh		9.8	11.7		15.4	
Approach LOS		A	B		B	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		37.0		23.0	6.0	31.0
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	5.5	22.5
Max Q Clear Time (g_c+I1), s		3.5		3.8	2.7	7.0
Green Ext Time (p_c), s		1.0		0.3	0.0	2.1

Intersection Summary		
HCM 6th Ctrl Delay, s/veh		11.8
HCM 6th LOS		B

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	206	3	11	370	502	295
Future Volume (vph)	206	3	11	370	502	295
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	13.8			17.6	7.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Sign Control	Stop			Stop	Stop	

Intersection Summary	
Area Type:	Other
Control Type: Unsignalized	

Intersection	
Intersection Delay, s/veh	27.9
Intersection LOS	D

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	206	3	11	370	502	295
Future Vol, veh/h	206	3	11	370	502	295
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	231	3	12	416	564	331
Number of Lanes	1	0	0	1	1	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	2	1
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	2	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	1	0	1
HCM Control Delay, s/veh	15.4	21.4	34.2
HCM LOS	C	C	D

Lane	NBLn1	EBLn1	SBLn1	SBLn2
Vol Left, %	3%	99%	0%	0%
Vol Thru, %	97%	0%	100%	0%
Vol Right, %	0%	1%	0%	100%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	381	209	502	295
LT Vol	11	206	0	0
Through Vol	370	0	502	0
RT Vol	0	3	0	295
Lane Flow Rate	428	235	564	331
Geometry Grp	4a	2	5	5
Degree of Util (X)	0.698	0.448	0.936	0.485
Departure Headway (Hd)	5.87	6.862	5.977	5.266
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	616	524	604	683
Service Time	3.918	4.912	3.727	3.015
HCM Lane V/C Ratio	0.695	0.448	0.934	0.485
HCM Control Delay, s/veh	21.4	15.4	46.7	12.9
HCM Lane LOS	C	C	E	B
HCM 95th-tile Q	5.6	2.3	12.3	2.7



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	78	37	39	131	152	154
Future Volume (vph)	78	37	39	131	152	154
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	70			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	35			50	50	
Link Distance (ft)	743			558	590	
Travel Time (s)	14.3			7.4	13.8	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.79	0.79	0.79	0.79	0.79	0.79
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	2.9

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	78	37	39	131	152	154
Future Vol, veh/h	78	37	39	131	152	154
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	70	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	99	47	49	166	192	195

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	466	106	392	0	-	0
Stage 1	197	-	-	-	-	-
Stage 2	269	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	540	928	1165	-	-	-
Stage 1	817	-	-	-	-	-
Stage 2	775	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	512	919	1159	-	-	-
Mov Cap-2 Maneuver	512	-	-	-	-	-
Stage 1	779	-	-	-	-	-
Stage 2	771	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	12.2	1.9	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1159	-	512	919	-	-
HCM Lane V/C Ratio	0.043	-	0.193	0.051	-	-
HCM Control Delay (s/veh)	8.2	-	13.7	9.1	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0.1	-	0.7	0.2	-	-



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	38	7	1	132	188	1
Future Volume (vph)	38	7	1	132	188	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	100			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	30			50	50	
Link Distance (ft)	583			1051	558	
Travel Time (s)	13.3			14.3	7.4	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.75	0.75	0.75	0.75	0.75	0.75
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	38	7	1	132	188	1
Future Vol, veh/h	38	7	1	132	188	1
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	100	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	51	9	1	176	251	1

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	439	136	257	0	-	0
Stage 1	256	-	-	-	-	-
Stage 2	183	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	561	888	1306	-	-	-
Stage 1	764	-	-	-	-	-
Stage 2	848	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	555	880	1300	-	-	-
Mov Cap-2 Maneuver	616	-	-	-	-	-
Stage 1	759	-	-	-	-	-
Stage 2	844	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	11	0.1	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1300	-	616	880	-	-
HCM Lane V/C Ratio	0.001	-	0.082	0.011	-	-
HCM Control Delay (s/veh)	7.8	-	11.4	9.1	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0	-	0.3	0	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	112	39	27	283	487	118
Future Volume (vph)	112	39	27	283	487	118
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100	0	245			205
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Right Turn on Red		Yes				Yes
Link Speed (mph)	35			45	45	
Link Distance (ft)	682			483	791	
Travel Time (s)	13.3			7.3	12.0	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Shared Lane Traffic (%)						
Turn Type	Prot	Perm	Prot	NA	NA	Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Detector Phase	4	4	5	2	6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	9.5	22.5	22.5	22.5
Total Split (s)	22.5	22.5	9.5	37.5	28.0	28.0
Total Split (%)	37.5%	37.5%	15.8%	62.5%	46.7%	46.7%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None	None	None	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 60	
Control Type: Actuated-Coordinated	

Splits and Phases: 4: Grapefruit Bl. (Hwy. 111) & Palm St.





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	112	39	27	283	487	118
Future Volume (veh/h)	112	39	27	283	487	118
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	120	42	29	304	524	127
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	173	154	57	1409	1209	1020
Arrive On Green	0.10	0.10	0.03	0.75	0.65	0.65
Sat Flow, veh/h	1781	1585	1781	1870	1870	1579
Grp Volume(v), veh/h	120	42	29	304	524	127
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	1870	1579
Q Serve(g_s), s	3.9	1.5	1.0	2.9	8.3	1.9
Cycle Q Clear(g_c), s	3.9	1.5	1.0	2.9	8.3	1.9
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	173	154	57	1409	1209	1020
V/C Ratio(X)	0.70	0.27	0.51	0.22	0.43	0.12
Avail Cap(c_a), veh/h	534	476	148	1409	1209	1020
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.97	0.97	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.2	25.1	28.6	2.2	5.2	4.1
Incr Delay (d2), s/veh	4.8	0.9	6.9	0.4	1.1	0.3
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	1.4	0.5	0.3	2.1	0.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	31.1	26.1	35.5	2.5	6.4	4.3
LnGrp LOS	C	C	D	A	A	A
Approach Vol, veh/h	162			333	651	
Approach Delay, s/veh	29.8			5.4	6.0	
Approach LOS	C			A	A	

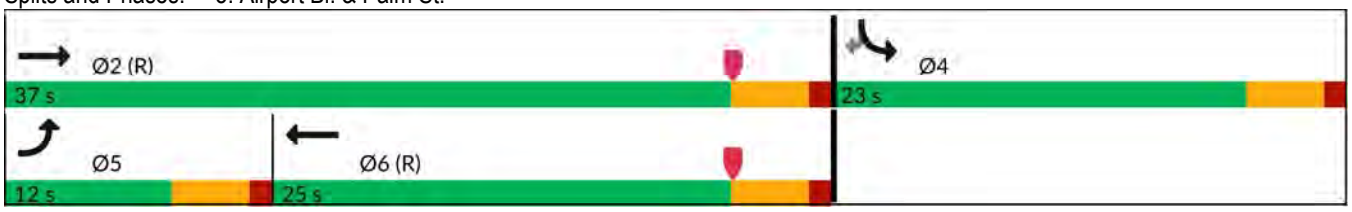
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		49.7		10.3	6.4	43.3
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		33.0		18.0	5.0	23.5
Max Q Clear Time (g_c+I1), s		4.9		5.9	3.0	10.3
Green Ext Time (p_c), s		1.6		0.3	0.0	2.9

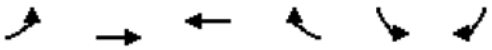
Intersection Summary		
HCM 6th Ctrl Delay, s/veh		9.2
HCM 6th LOS		A

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	51	291	173	100	87	58
Future Volume (vph)	51	291	173	100	87	58
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	140			0	100	0
Storage Lanes	1			0	1	1
Taper Length (ft)	90				90	
Right Turn on Red				Yes		Yes
Link Speed (mph)		45	45		35	
Link Distance (ft)		684	1384		682	
Travel Time (s)		10.4	21.0		13.3	
Confl. Peds. (#/hr)	5			5	5	5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Shared Lane Traffic (%)						
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases						4
Detector Phase	5	2	6		4	4
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	9.5	22.5	22.5		22.5	22.5
Total Split (s)	12.0	37.0	25.0		23.0	23.0
Total Split (%)	20.0%	61.7%	41.7%		38.3%	38.3%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	C-Max	C-Max		Max	Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 5: Airport Bl. & Palm St.





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	51	291	173	100	87	58
Future Volume (veh/h)	51	291	173	100	87	58
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	59	334	199	115	100	67
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	93	1925	913	504	549	489
Arrive On Green	0.05	0.54	0.41	0.41	0.31	0.31
Sat Flow, veh/h	1781	3647	2297	1216	1781	1585
Grp Volume(v), veh/h	59	334	159	155	100	67
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1643	1781	1585
Q Serve(g_s), s	1.9	2.9	3.4	3.7	2.5	1.8
Cycle Q Clear(g_c), s	1.9	2.9	3.4	3.7	2.5	1.8
Prop In Lane	1.00			0.74	1.00	1.00
Lane Grp Cap(c), veh/h	93	1925	737	681	549	489
V/C Ratio(X)	0.63	0.17	0.22	0.23	0.18	0.14
Avail Cap(c_a), veh/h	223	1925	737	681	549	489
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.9	7.0	11.3	11.4	15.2	15.0
Incr Delay (d2), s/veh	7.0	0.2	0.7	0.8	0.7	0.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.8	1.2	1.2	1.0	2.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	34.9	7.2	12.0	12.1	15.9	15.6
LnGrp LOS	C	A	B	B	B	B
Approach Vol, veh/h		393	314		167	
Approach Delay, s/veh		11.3	12.0		15.8	
Approach LOS		B	B		B	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		37.0		23.0	7.6	29.4
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	7.5	20.5
Max Q Clear Time (g_c+I1), s		4.9		4.5	3.9	5.7
Green Ext Time (p_c), s		2.0		0.4	0.0	1.4

Intersection Summary		
HCM 6th Ctrl Delay, s/veh		12.4
HCM 6th LOS		B

APPENDIX 3.3: TRAFFIC SIGNAL WARRANT ANALYSIS WORKSHEETS

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(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

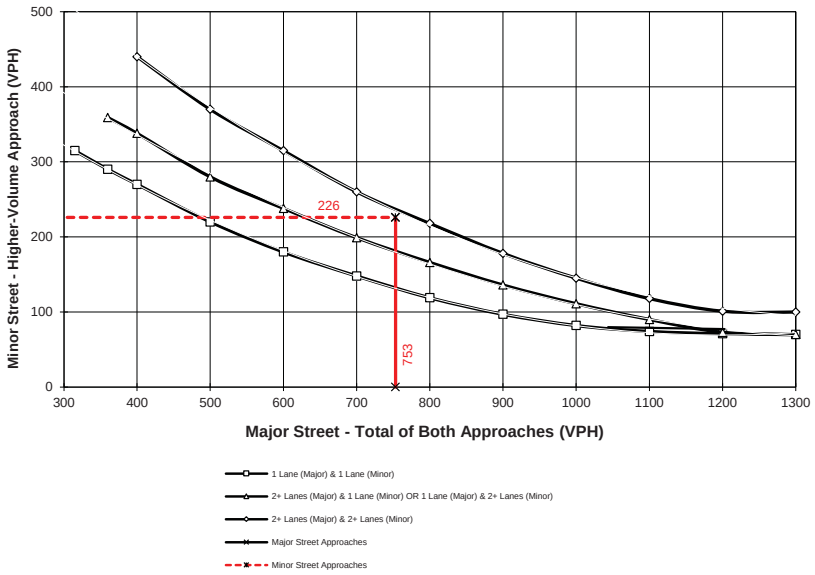
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EXISTING (2024) AM PEAK HOUR WARRANTS**

Major Street Name = **Grapefruit Bl. (Hwy. 111)** Total of Both Approaches (VPH) = **753**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Tyler St.** High Volume Approach (VPH) = **226**
Number of Approach Lanes Minor Street = **1**

WARRANTED FOR A SIGNAL



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #1

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\Existing\01R_AM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
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Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

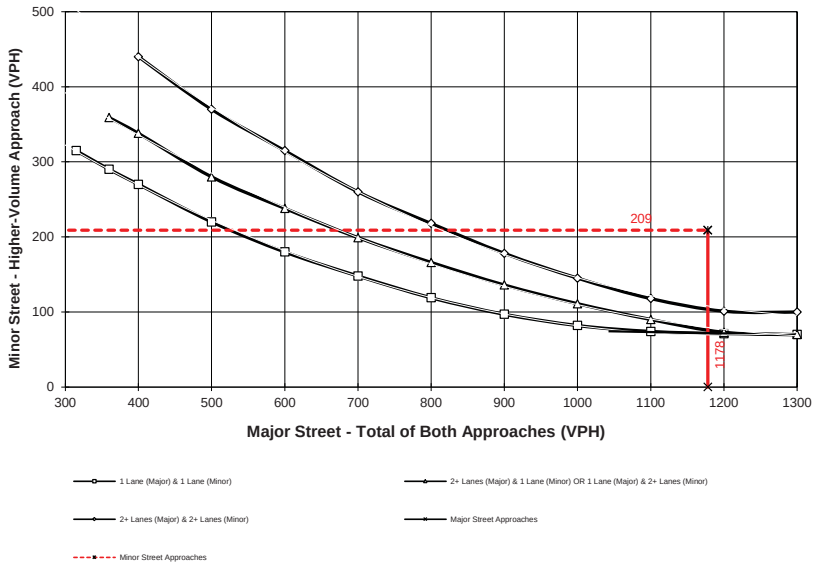
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EXISTING (2024) PM PEAK HOUR WARRANTS**

Major Street Name = **Grapefruit Bl. (Hwy. 111)** Total of Both Approaches (VPH) = **1,178**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Tyler St.** High Volume Approach (VPH) = **209**
Number of Approach Lanes Minor Street = **1**

WARRANTED FOR A SIGNAL



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #1

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\Existing\01R_PM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

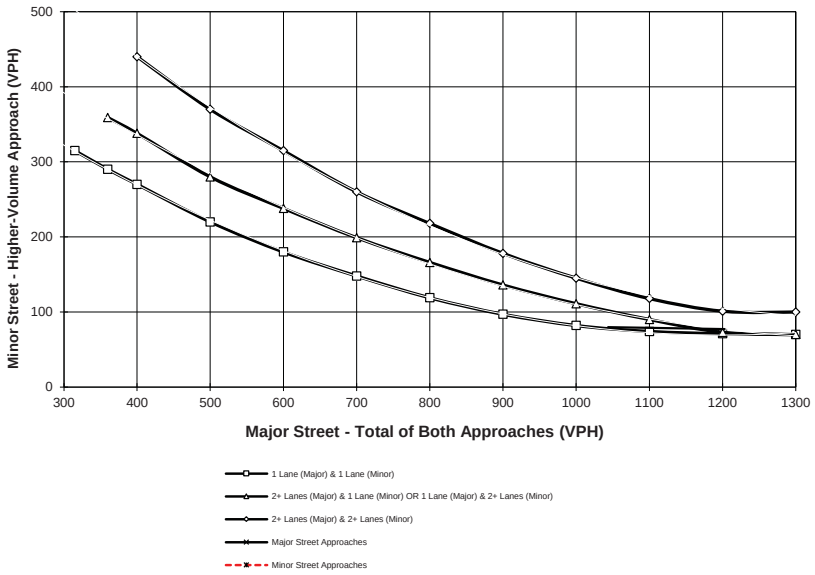
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EXISTING (2024) AM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **296**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Avenue 53**
High Volume Approach (VPH) = **136**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #2

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\Existing\02R_AM.xls\Fig 4C-4 (Rural Peak)

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Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

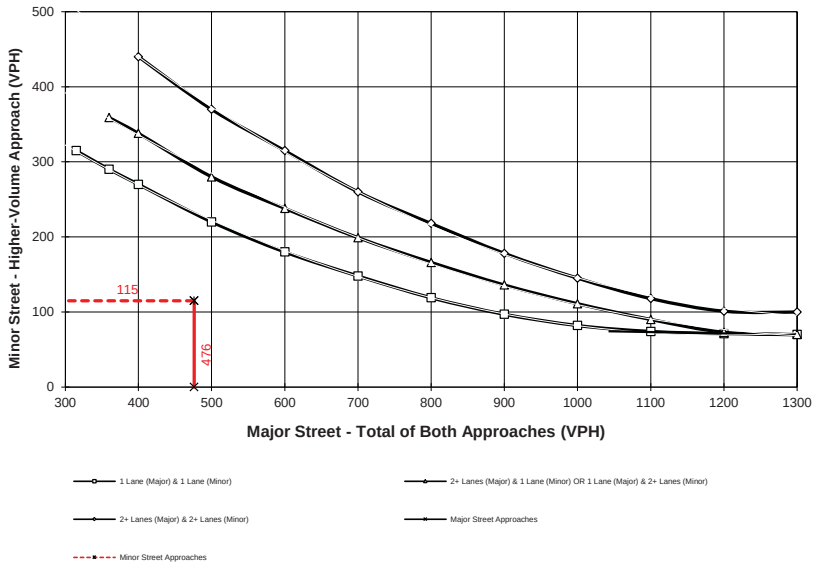
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EXISTING (2024) PM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **476**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Avenue 53**
High Volume Approach (VPH) = **115**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #2

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\Existing\02R_PM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

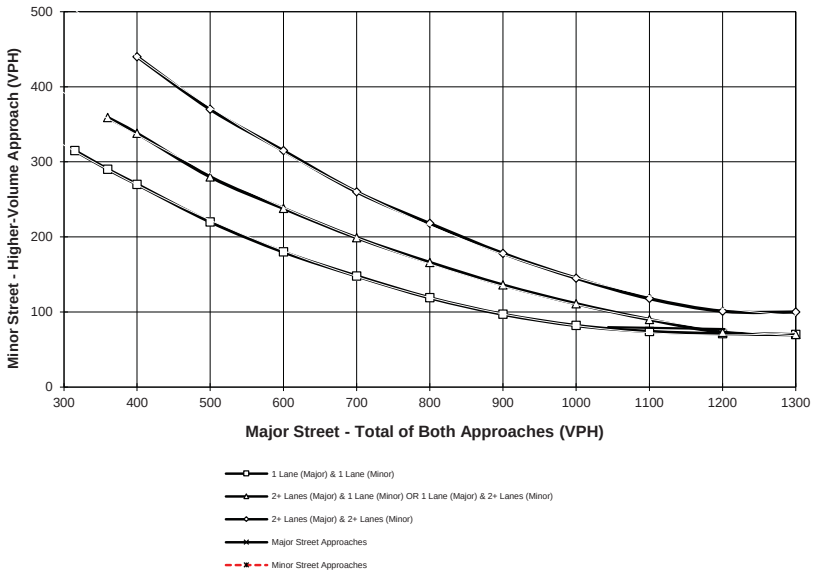
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EXISTING (2024) AM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **295**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Armtec Entrance**
High Volume Approach (VPH) = **6**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #3

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\Existing\03R_AM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

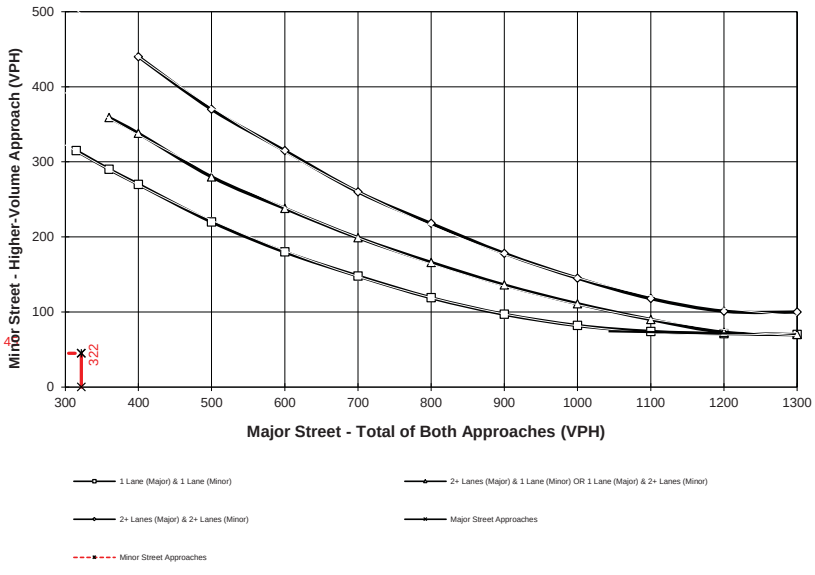
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EXISTING (2024) PM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **322**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Armtec Entrance**
High Volume Approach (VPH) = **45**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #3

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\Existing\03R_PM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

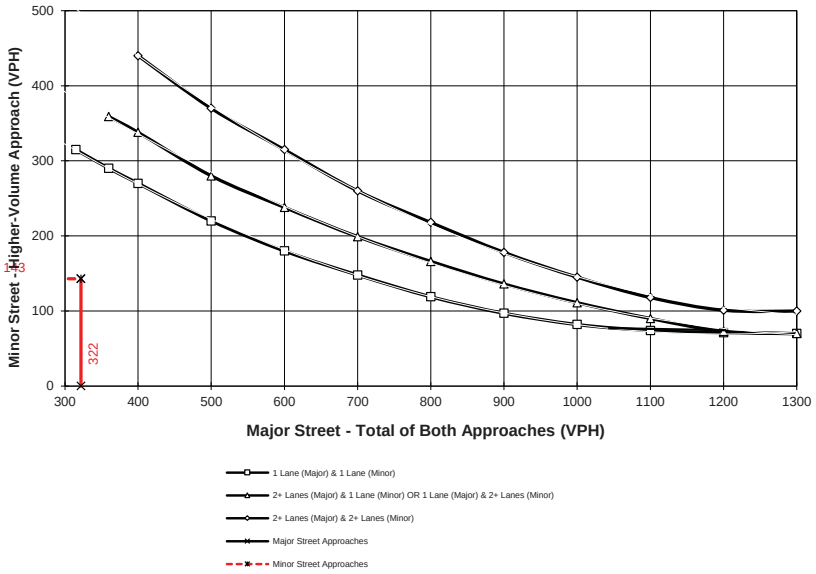
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **E+A+P (2026) AM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **322**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Avenue 53**
High Volume Approach (VPH) = **143**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #2

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAP\02R_AM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

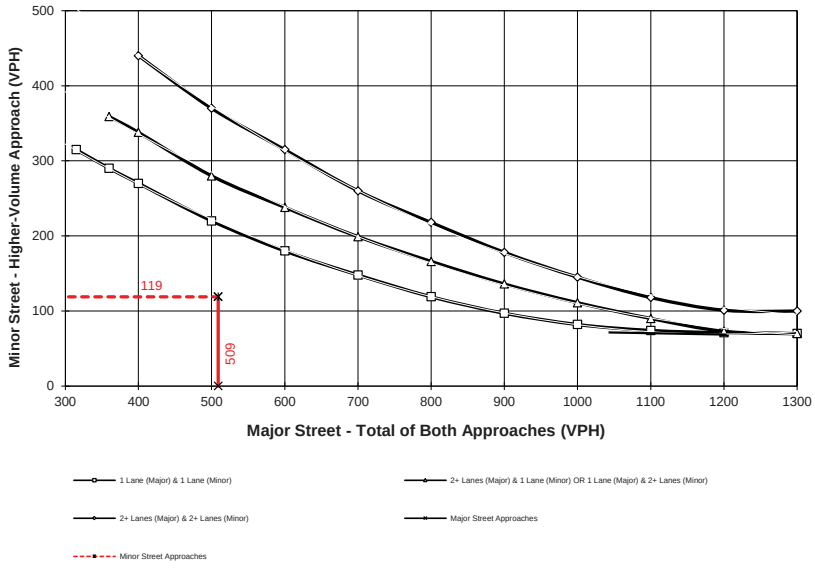
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **E+A+P (2026) PM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **509**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Avenue 53**
High Volume Approach (VPH) = **119**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #2

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAP\02R_PM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

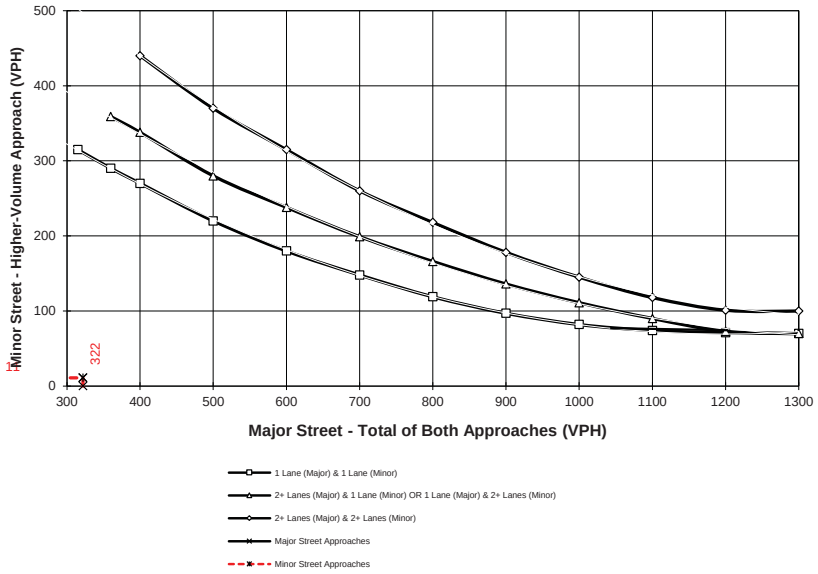
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **E+A+P (2026) AM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **322**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Armtec Entrance**
High Volume Approach (VPH) = **11**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #3

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAP\03R_AM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

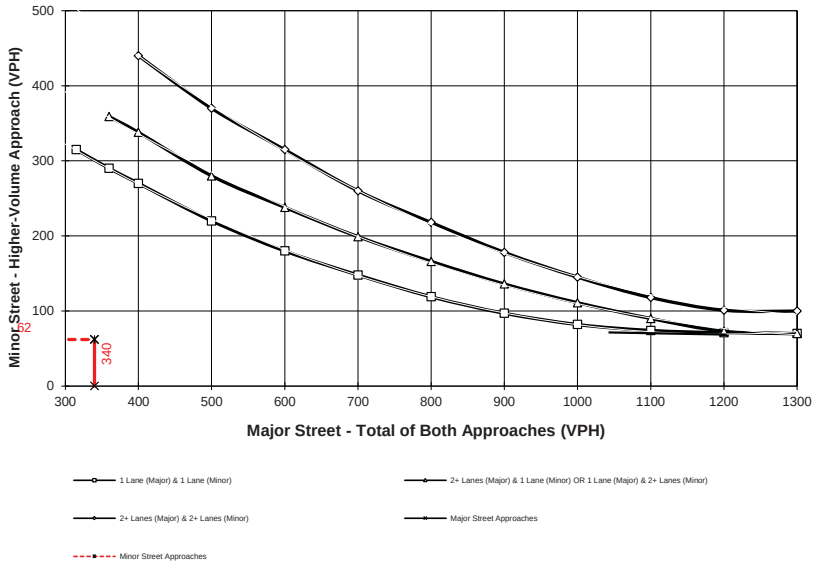
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **E+A+P (2026) PM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **340**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Armtec Entrance**
High Volume Approach (VPH) = **62**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #3

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAP\03R_PM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

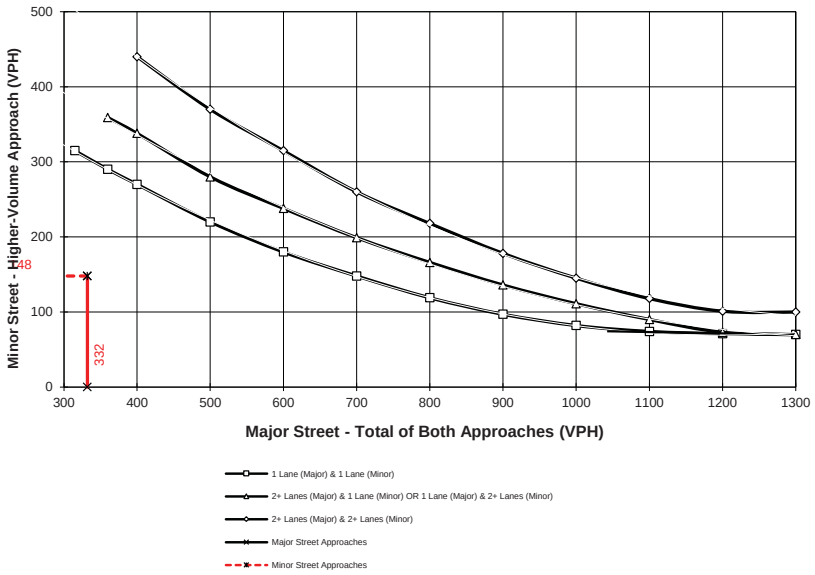
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EAPC (2026) AM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **332**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Avenue 53**
High Volume Approach (VPH) = **148**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #2

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAPC\02R_AM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

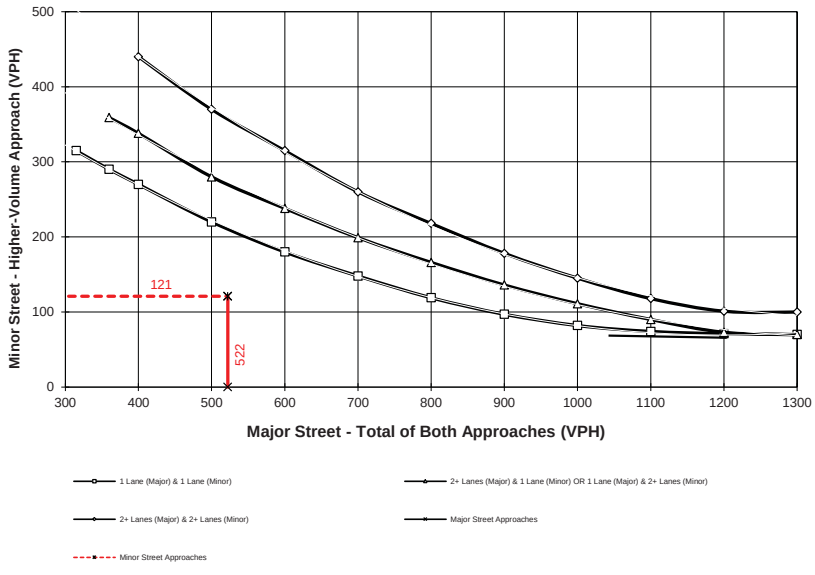
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EAPC (2026) PM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **522**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Avenue 53**
High Volume Approach (VPH) = **121**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #2

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAPC\02R_PM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
(FHWA's MUTCD 2009, as amended for use in California)

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

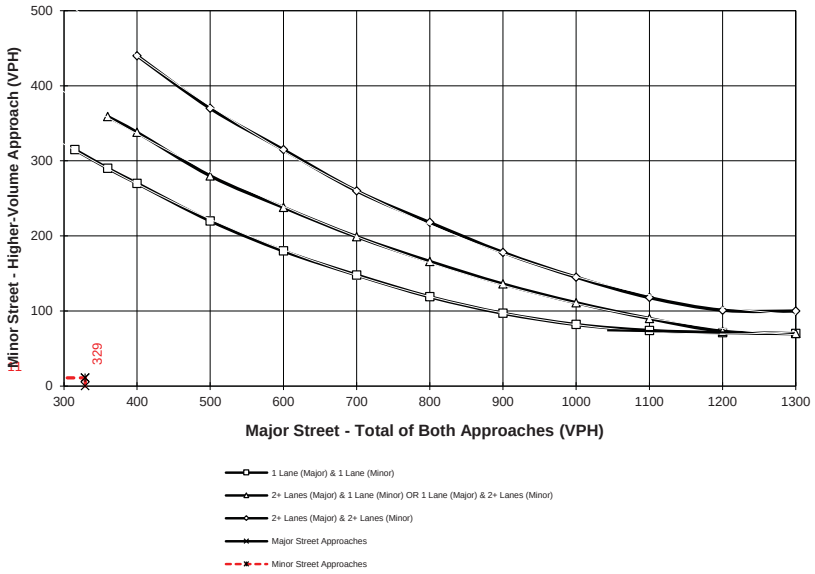
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EAPC (2026) AM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **329**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Armtec Entrance**
High Volume Approach (VPH) = **11**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #3

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAPC\03R_AM.xls\Fig 4C-4 (Rural Peak)

California MUTCD 2016 Edition
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Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

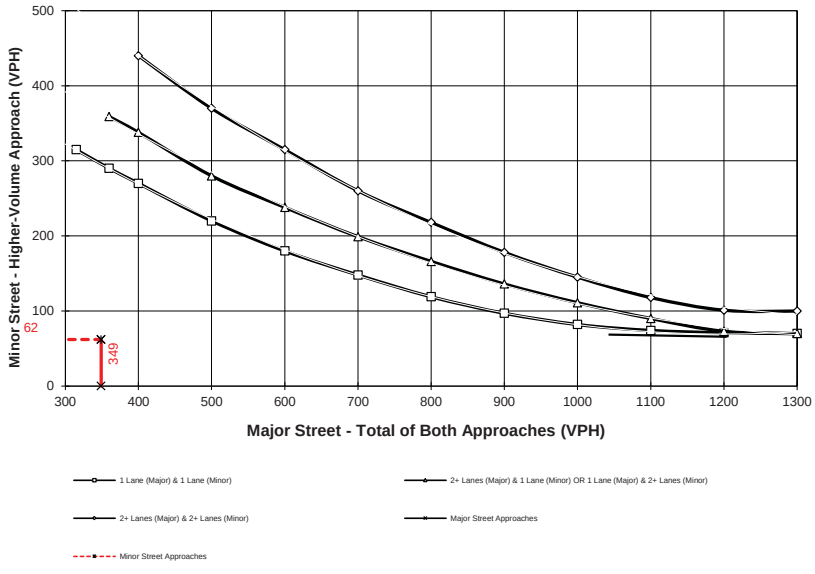
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)

Traffic Conditions = **EAPC (2026) PM PEAK HOUR WARRANTS**

Major Street Name = **Tyler St.**
Total of Both Approaches (VPH) = **349**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Armtec Entrance**
High Volume Approach (VPH) = **62**
Number of Approach Lanes Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach with one lane

Intersection ID: #3

F:\UXRjobs_15600_16000_15900\15967\02_LOS\Signal Warrants\EAPC\03R_PM.xls\Fig 4C-4 (Rural Peak)

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APPENDIX 5.1: EAP (2026) CONDITIONS

INTERSECTION OPERATIONS ANALYSIS WORKSHEETS

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Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	234	4	12	352	289	142
Future Volume (vph)	234	4	12	352	289	142
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	13.8			17.6	7.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Shared Lane Traffic (%)						
Sign Control	Stop			Stop	Stop	

Intersection Summary	
Area Type:	Other
Control Type: Unsignalized	

Intersection	
Intersection Delay, s/veh	17.1
Intersection LOS	C

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	234	4	12	352	289	142
Future Vol, veh/h	234	4	12	352	289	142
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	279	5	14	419	344	169
Number of Lanes	1	0	0	1	1	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	2	1
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	2	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	1	0	1
HCM Control Delay, s/veh	15.9	20.5	14.8
HCM LOS	C	C	B

Lane	NBLn1	EBLn1	SBLn1	SBLn2
Vol Left, %	3%	98%	0%	0%
Vol Thru, %	97%	0%	100%	0%
Vol Right, %	0%	2%	0%	100%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	364	238	289	142
LT Vol	12	234	0	0
Through Vol	352	0	289	0
RT Vol	0	4	0	142
Lane Flow Rate	433	283	344	169
Geometry Grp	4a	2	5	5
Degree of Util (X)	0.688	0.505	0.583	0.253
Departure Headway (Hd)	5.713	6.421	6.103	5.391
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	633	561	588	663
Service Time	3.766	4.48	3.86	3.147
HCM Lane V/C Ratio	0.684	0.504	0.585	0.255
HCM Control Delay, s/veh	20.5	15.9	17.1	10
HCM Lane LOS	C	C	C	A
HCM 95th-tile Q	5.4	2.8	3.7	1



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	101	42	31	137	109	45
Future Volume (vph)	101	42	31	137	109	45
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	70			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	35			50	50	
Link Distance (ft)	743			558	590	
Travel Time (s)	14.3			7.4	13.8	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	101	42	31	137	109	45
Future Vol, veh/h	101	42	31	137	109	45
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	70	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	113	47	35	154	122	51

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	356	71	178	0	-	0
Stage 1	127	-	-	-	-	-
Stage 2	229	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	629	977	1397	-	-	-
Stage 1	886	-	-	-	-	-
Stage 2	808	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	607	968	1390	-	-	-
Mov Cap-2 Maneuver	607	-	-	-	-	-
Stage 1	859	-	-	-	-	-
Stage 2	804	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	11.3	1.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1390	-	607	968	-	-
HCM Lane V/C Ratio	0.025	-	0.187	0.049	-	-
HCM Control Delay (s/veh)	7.7	-	12.3	8.9	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0.1	-	0.7	0.2	-	-



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	7	4	10	162	109	41
Future Volume (vph)	7	4	10	162	109	41
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	100			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	30			50	50	
Link Distance (ft)	583			1051	558	
Travel Time (s)	13.3			14.3	7.4	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.75	0.75	0.75	0.75	0.75	0.75
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	7	4	10	162	109	41
Future Vol, veh/h	7	4	10	162	109	41
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	100	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	5	13	216	145	55

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	397	83	205	0	-	0
Stage 1	150	-	-	-	-	-
Stage 2	247	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	594	960	1365	-	-	-
Stage 1	863	-	-	-	-	-
Stage 2	793	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	582	951	1359	-	-	-
Mov Cap-2 Maneuver	638	-	-	-	-	-
Stage 1	850	-	-	-	-	-
Stage 2	789	-	-	-	-	-

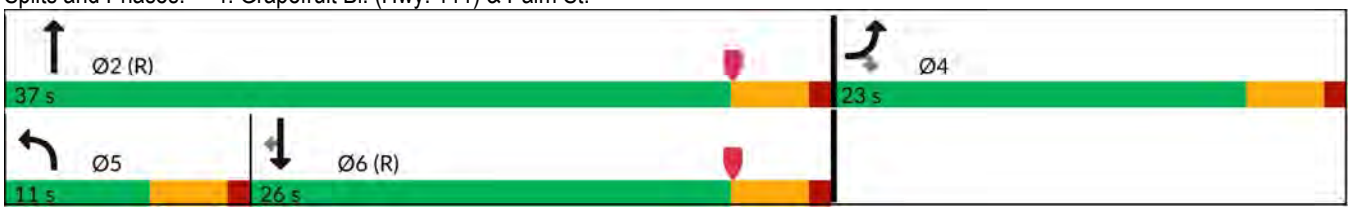
Approach	EB	NB	SB
HCM Control Delay, s/v	10	0.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1359	-	638	951	-	-
HCM Lane V/C Ratio	0.01	-	0.015	0.006	-	-
HCM Control Delay (s/veh)	7.7	-	10.7	8.8	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0	-	0	0	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	56	31	34	373	221	89
Future Volume (vph)	56	31	34	373	221	89
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100	0	245			205
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Right Turn on Red		Yes				Yes
Link Speed (mph)	35			45	45	
Link Distance (ft)	682			483	791	
Travel Time (s)	13.3			7.3	12.0	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Shared Lane Traffic (%)						
Turn Type	Prot	Perm	Prot	NA	NA	Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Detector Phase	4	4	5	2	6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	9.5	22.5	22.5	22.5
Total Split (s)	23.0	23.0	11.0	37.0	26.0	26.0
Total Split (%)	38.3%	38.3%	18.3%	61.7%	43.3%	43.3%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None	None	None	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 4: Grapefruit Bl. (Hwy. 111) & Palm St.



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	56	31	34	373	221	89
Future Volume (veh/h)	56	31	34	373	221	89
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	64	36	39	429	254	102
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	120	107	71	1463	1249	1054
Arrive On Green	0.07	0.07	0.04	0.78	0.67	0.67
Sat Flow, veh/h	1781	1585	1781	1870	1870	1579
Grp Volume(v), veh/h	64	36	39	429	254	102
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	1870	1579
Q Serve(g_s), s	2.1	1.3	1.3	3.9	3.1	1.4
Cycle Q Clear(g_c), s	2.1	1.3	1.3	3.9	3.1	1.4
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	120	107	71	1463	1249	1054
V/C Ratio(X)	0.53	0.34	0.55	0.29	0.20	0.10
Avail Cap(c_a), veh/h	549	489	193	1463	1249	1054
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.99	0.99	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.1	26.7	28.3	1.8	3.8	3.5
Incr Delay (d2), s/veh	3.6	1.8	6.5	0.5	0.4	0.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	1.2	0.6	0.2	0.7	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	30.6	28.5	34.8	2.4	4.2	3.7
LnGrp LOS	C	C	C	A	A	A
Approach Vol, veh/h	100			468	356	
Approach Delay, s/veh	29.9			5.1	4.1	
Approach LOS	C			A	A	

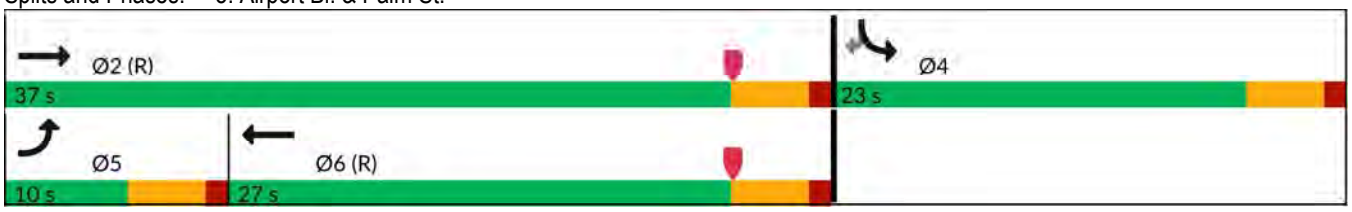
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		51.4		8.6	6.9	44.6
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	6.5	21.5
Max Q Clear Time (g_c+I1), s		5.9		4.1	3.3	5.1
Green Ext Time (p_c), s		2.4		0.2	0.0	1.4

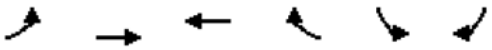
Intersection Summary		
HCM 6th Ctrl Delay, s/veh		7.4
HCM 6th LOS		A

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	21	172	358	67	58	65
Future Volume (vph)	21	172	358	67	58	65
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	140			0	100	0
Storage Lanes	1			0	1	1
Taper Length (ft)	90				90	
Right Turn on Red				Yes		Yes
Link Speed (mph)		45	45		35	
Link Distance (ft)		684	1384		682	
Travel Time (s)		10.4	21.0		13.3	
Confl. Peds. (#/hr)	5			5	5	5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases						4
Detector Phase	5	2	6		4	4
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	9.5	22.5	22.5		22.5	22.5
Total Split (s)	10.0	37.0	27.0		23.0	23.0
Total Split (%)	16.7%	61.7%	45.0%		38.3%	38.3%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	C-Max	C-Max		Max	Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 5: Airport Bl. & Palm St.





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	21	172	358	67	58	65
Future Volume (veh/h)	21	172	358	67	58	65
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	24	193	402	75	65	73
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	49	1925	1313	243	549	489
Arrive On Green	0.03	0.54	0.44	0.44	0.31	0.31
Sat Flow, veh/h	1781	3647	3084	553	1781	1585
Grp Volume(v), veh/h	24	193	237	240	65	73
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1767	1781	1585
Q Serve(g_s), s	0.8	1.6	5.2	5.3	1.6	2.0
Cycle Q Clear(g_c), s	0.8	1.6	5.2	5.3	1.6	2.0
Prop In Lane	1.00			0.31	1.00	1.00
Lane Grp Cap(c), veh/h	49	1925	780	776	549	489
V/C Ratio(X)	0.49	0.10	0.30	0.31	0.12	0.15
Avail Cap(c_a), veh/h	163	1925	780	776	549	489
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.8	6.7	10.9	10.9	14.9	15.0
Incr Delay (d2), s/veh	7.4	0.1	1.0	1.0	0.4	0.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.4	1.8	1.8	0.6	2.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	36.2	6.8	11.9	11.9	15.3	15.7
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		217	477		138	
Approach Delay, s/veh		10.0	11.9		15.5	
Approach LOS		B	B		B	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		37.0		23.0	6.1	30.9
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	5.5	22.5
Max Q Clear Time (g_c+I1), s		3.6		4.0	2.8	7.3
Green Ext Time (p_c), s		1.1		0.3	0.0	2.2

Intersection Summary		
HCM 6th Ctrl Delay, s/veh		12.0
HCM 6th LOS		B

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	223	4	11	385	522	310
Future Volume (vph)	223	4	11	385	522	310
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	13.8			17.6	7.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Sign Control	Stop			Stop	Stop	

Intersection Summary	
Area Type:	Other
Control Type: Unsignalized	

Intersection	
Intersection Delay, s/veh	34
Intersection LOS	D

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	223	4	11	385	522	310
Future Vol, veh/h	223	4	11	385	522	310
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	251	4	12	433	587	348
Number of Lanes	1	0	0	1	1	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	2	1
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	2	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	1	0	1
HCM Control Delay, s/veh	16.6	24.4	43.4
HCM LOS	C	C	E

Lane	NBLn1	EBLn1	SBLn1	SBLn2
Vol Left, %	3%	98%	0%	0%
Vol Thru, %	97%	0%	100%	0%
Vol Right, %	0%	2%	0%	100%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	396	227	522	310
LT Vol	11	223	0	0
Through Vol	385	0	522	0
RT Vol	0	4	0	310
Lane Flow Rate	445	255	587	348
Geometry Grp	4a	2	5	5
Degree of Util (X)	0.742	0.493	0.997	0.523
Departure Headway (Hd)	6.006	6.96	6.12	5.408
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	601	518	592	665
Service Time	4.06	5.014	3.878	3.166
HCM Lane V/C Ratio	0.74	0.492	0.992	0.523
HCM Control Delay, s/veh	24.4	16.6	60.9	14
HCM Lane LOS	C	C	F	B
HCM 95th-tile Q	6.5	2.7	14.7	3.1



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	81	38	42	146	161	160
Future Volume (vph)	81	38	42	146	161	160
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	70			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	35			50	50	
Link Distance (ft)	743			558	590	
Travel Time (s)	14.3			7.4	13.8	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.79	0.79	0.79	0.79	0.79	0.79
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	81	38	42	146	161	160
Future Vol, veh/h	81	38	42	146	161	160
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	70	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	103	48	53	185	204	203

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	505	112	412	0	-	0
Stage 1	209	-	-	-	-	-
Stage 2	296	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	511	920	1145	-	-	-
Stage 1	806	-	-	-	-	-
Stage 2	754	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	482	911	1140	-	-	-
Mov Cap-2 Maneuver	482	-	-	-	-	-
Stage 1	765	-	-	-	-	-
Stage 2	750	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	12.8	1.9	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1140	-	482	911	-	-
HCM Lane V/C Ratio	0.047	-	0.213	0.053	-	-
HCM Control Delay (s/veh)	8.3	-	14.5	9.2	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0.1	-	0.8	0.2	-	-



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	51	11	2	137	196	5
Future Volume (vph)	51	11	2	137	196	5
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	100			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	30			50	50	
Link Distance (ft)	583			1051	558	
Travel Time (s)	13.3			14.3	7.4	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.75	0.75	0.75	0.75	0.75	0.75
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	1.8

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	51	11	2	137	196	5
Future Vol, veh/h	51	11	2	137	196	5
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	100	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	68	15	3	183	261	7

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	460	141	273	0	-	0
Stage 1	266	-	-	-	-	-
Stage 2	194	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	544	882	1289	-	-	-
Stage 1	755	-	-	-	-	-
Stage 2	838	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	537	874	1283	-	-	-
Mov Cap-2 Maneuver	603	-	-	-	-	-
Stage 1	750	-	-	-	-	-
Stage 2	834	-	-	-	-	-

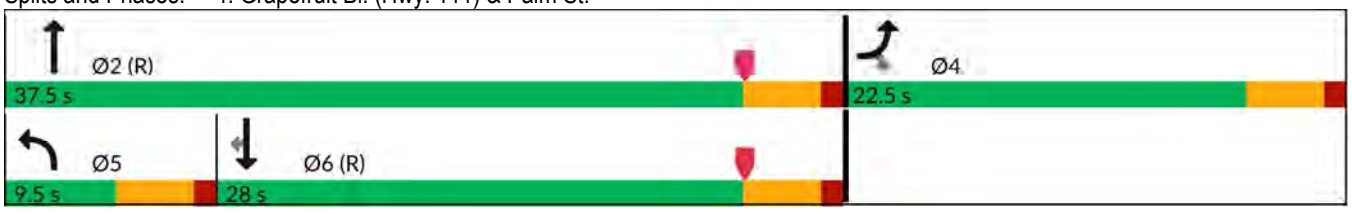
Approach	EB	NB	SB
HCM Control Delay, s/v	11.3	0.1	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1283	-	603	874	-	-
HCM Lane V/C Ratio	0.002	-	0.113	0.017	-	-
HCM Control Delay (s/veh)	7.8	-	11.7	9.2	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0	-	0.4	0.1	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	117	44	29	294	508	123
Future Volume (vph)	117	44	29	294	508	123
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100	0	245			205
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Right Turn on Red		Yes				Yes
Link Speed (mph)	35			45	45	
Link Distance (ft)	682			483	791	
Travel Time (s)	13.3			7.3	12.0	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Shared Lane Traffic (%)						
Turn Type	Prot	Perm	Prot	NA	NA	Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Detector Phase	4	4	5	2	6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	9.5	22.5	22.5	22.5
Total Split (s)	22.5	22.5	9.5	37.5	28.0	28.0
Total Split (%)	37.5%	37.5%	15.8%	62.5%	46.7%	46.7%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None	None	None	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 60	
Control Type: Actuated-Coordinated	

Splits and Phases: 4: Grapefruit Bl. (Hwy. 111) & Palm St.





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	117	44	29	294	508	123
Future Volume (veh/h)	117	44	29	294	508	123
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	126	47	31	316	546	132
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	181	161	60	1400	1197	1010
Arrive On Green	0.10	0.10	0.03	0.75	0.64	0.64
Sat Flow, veh/h	1781	1585	1781	1870	1870	1579
Grp Volume(v), veh/h	126	47	31	316	546	132
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	1870	1579
Q Serve(g_s), s	4.1	1.6	1.0	3.1	8.9	2.0
Cycle Q Clear(g_c), s	4.1	1.6	1.0	3.1	8.9	2.0
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	181	161	60	1400	1197	1010
V/C Ratio(X)	0.70	0.29	0.52	0.23	0.46	0.13
Avail Cap(c_a), veh/h	534	476	148	1400	1197	1010
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.1	25.0	28.5	2.3	5.5	4.2
Incr Delay (d2), s/veh	4.6	1.0	6.8	0.4	1.3	0.3
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	1.5	0.5	0.4	2.3	0.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	30.7	25.9	35.3	2.7	6.7	4.5
LnGrp LOS	C	C	D	A	A	A
Approach Vol, veh/h	173			347	678	
Approach Delay, s/veh	29.4			5.6	6.3	
Approach LOS	C			A	A	

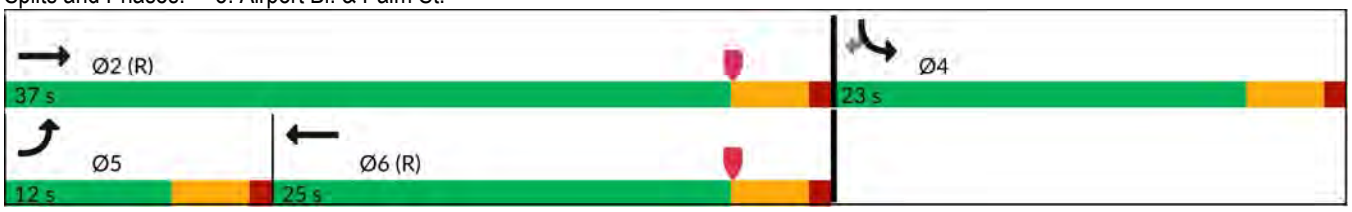
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		49.4		10.6	6.5	42.9
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		33.0		18.0	5.0	23.5
Max Q Clear Time (g_c+I1), s		5.1		6.1	3.0	10.9
Green Ext Time (p_c), s		1.7		0.3	0.0	3.0

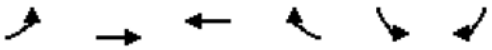
Intersection Summary	
HCM 6th Ctrl Delay, s/veh	9.4
HCM 6th LOS	A

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	56	304	180	104	91	61
Future Volume (vph)	56	304	180	104	91	61
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	140			0	100	0
Storage Lanes	1			0	1	1
Taper Length (ft)	90				90	
Right Turn on Red				Yes		Yes
Link Speed (mph)		45	45		35	
Link Distance (ft)		684	1384		682	
Travel Time (s)		10.4	21.0		13.3	
Confl. Peds. (#/hr)	5			5	5	5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Shared Lane Traffic (%)						
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases						4
Detector Phase	5	2	6		4	4
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	9.5	22.5	22.5		22.5	22.5
Total Split (s)	12.0	37.0	25.0		23.0	23.0
Total Split (%)	20.0%	61.7%	41.7%		38.3%	38.3%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	C-Max	C-Max		Max	Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 5: Airport Bl. & Palm St.





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	56	304	180	104	91	61
Future Volume (veh/h)	56	304	180	104	91	61
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	64	349	207	120	105	70
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	97	1925	906	502	549	489
Arrive On Green	0.05	0.54	0.41	0.41	0.31	0.31
Sat Flow, veh/h	1781	3647	2293	1220	1781	1585
Grp Volume(v), veh/h	64	349	165	162	105	70
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1642	1781	1585
Q Serve(g_s), s	2.1	3.0	3.6	3.9	2.6	1.9
Cycle Q Clear(g_c), s	2.1	3.0	3.6	3.9	2.6	1.9
Prop In Lane	1.00			0.74	1.00	1.00
Lane Grp Cap(c), veh/h	97	1925	732	677	549	489
V/C Ratio(X)	0.66	0.18	0.23	0.24	0.19	0.14
Avail Cap(c_a), veh/h	223	1925	732	677	549	489
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.8	7.0	11.4	11.5	15.3	15.0
Incr Delay (d2), s/veh	7.3	0.2	0.7	0.8	0.8	0.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	0.8	1.3	1.3	1.1	2.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	35.1	7.2	12.2	12.3	16.0	15.6
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		413	327		175	
Approach Delay, s/veh		11.5	12.2		15.9	
Approach LOS		B	B		B	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		37.0		23.0	7.8	29.2
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	7.5	20.5
Max Q Clear Time (g_c+I1), s		5.0		4.6	4.1	5.9
Green Ext Time (p_c), s		2.1		0.4	0.0	1.5

Intersection Summary	
HCM 6th Ctrl Delay, s/veh	12.6
HCM 6th LOS	B

APPENDIX 6.1: EAPC (2026) CONDITIONS

INTERSECTION OPERATIONS ANALYSIS WORKSHEETS

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Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	236	9	15	401	363	147
Future Volume (vph)	236	9	15	401	363	147
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	13.8			17.6	7.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Shared Lane Traffic (%)						
Sign Control	Stop			Stop	Stop	

Intersection Summary	
Area Type:	Other
Control Type: Unsignalized	

Intersection	
Intersection Delay, s/veh	23.9
Intersection LOS	C

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	236	9	15	401	363	147
Future Vol, veh/h	236	9	15	401	363	147
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	281	11	18	477	432	175
Number of Lanes	1	0	0	1	1	1

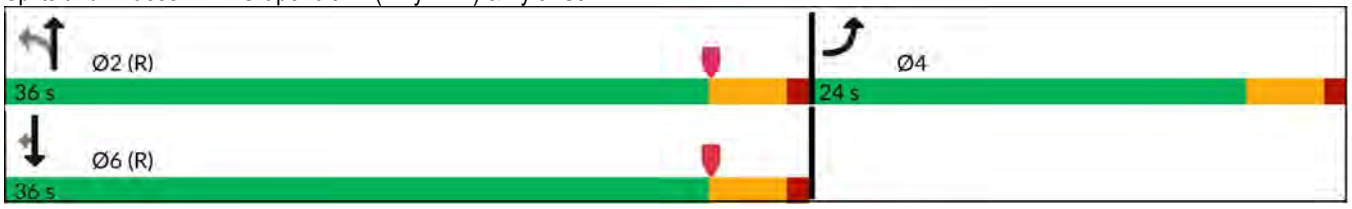
Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	2	1
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	2	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	1	0	1
HCM Control Delay, s/veh	17.8	30.3	21.7
HCM LOS	C	D	C

Lane	NBLn1	EBLn1	SBLn1	SBLn2
Vol Left, %	4%	96%	0%	0%
Vol Thru, %	96%	0%	100%	0%
Vol Right, %	0%	4%	0%	100%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	416	245	363	147
LT Vol	15	236	0	0
Through Vol	401	0	363	0
RT Vol	0	9	0	147
Lane Flow Rate	495	292	432	175
Geometry Grp	4a	2	5	5
Degree of Util (X)	0.817	0.548	0.757	0.272
Departure Headway (Hd)	5.936	6.769	6.307	5.594
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	604	531	570	637
Service Time	4.009	4.848	4.088	3.374
HCM Lane V/C Ratio	0.82	0.55	0.758	0.275
HCM Control Delay, s/veh	30.3	17.8	26.3	10.5
HCM Lane LOS	D	C	D	B
HCM 95th-tile Q	8.3	3.3	6.7	1.1

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	236	9	15	401	363	147
Future Volume (vph)	236	9	15	401	363	147
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Right Turn on Red		Yes				Yes
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	6.2			17.6	8.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Shared Lane Traffic (%)						
Turn Type	Prot		Perm	NA	NA	Perm
Protected Phases	4			2	6	
Permitted Phases			2			6
Detector Phase	4		2	2	6	6
Switch Phase						
Minimum Initial (s)	5.0		5.0	5.0	5.0	5.0
Minimum Split (s)	22.5		22.5	22.5	22.5	22.5
Total Split (s)	24.0		36.0	36.0	36.0	36.0
Total Split (%)	40.0%		60.0%	60.0%	60.0%	60.0%
Yellow Time (s)	3.5		3.5	3.5	3.5	3.5
All-Red Time (s)	1.0		1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.5			4.5	4.5	4.5
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	None		C-Max	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBT, Start of Yellow	
Natural Cycle: 45	
Control Type: Actuated-Coordinated	

Splits and Phases: 1: Grapefruit Bl. (Hwy. 111) & Tyler St.





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	236	9	15	401	363	147
Future Volume (veh/h)	236	9	15	401	363	147
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	0.99	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	281	11	18	477	432	175
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	344	13	78	1174	1211	1022
Arrive On Green	0.20	0.20	0.65	0.65	0.65	0.65
Sat Flow, veh/h	1700	67	25	1813	1870	1579
Grp Volume(v), veh/h	293	0	495	0	432	175
Grp Sat Flow(s),veh/h/ln	1772	0	1838	0	1870	1579
Q Serve(g_s), s	9.5	0.0	0.0	0.0	6.4	2.6
Cycle Q Clear(g_c), s	9.5	0.0	7.6	0.0	6.4	2.6
Prop In Lane	0.96	0.04	0.04			1.00
Lane Grp Cap(c), veh/h	359	0	1252	0	1211	1022
V/C Ratio(X)	0.82	0.00	0.40	0.00	0.36	0.17
Avail Cap(c_a), veh/h	576	0	1252	0	1211	1022
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.9	0.0	5.1	0.0	4.9	4.2
Incr Delay (d2), s/veh	4.8	0.0	0.9	0.0	0.8	0.4
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	0.0	1.9	0.0	1.7	0.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	27.7	0.0	6.0	0.0	5.7	4.6
LnGrp LOS	C		A		A	A
Approach Vol, veh/h	293			495	607	
Approach Delay, s/veh	27.7			6.0	5.4	
Approach LOS	C			A	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		43.3		16.7		43.3
Change Period (Y+Rc), s		4.5		4.5		4.5
Max Green Setting (Gmax), s		31.5		19.5		31.5
Max Q Clear Time (g_c+I1), s		9.6		11.5		8.4
Green Ext Time (p_c), s		2.9		0.5		3.1

Intersection Summary		
HCM 6th Ctrl Delay, s/veh		10.3
HCM 6th LOS		B



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	106	42	31	139	114	48
Future Volume (vph)	106	42	31	139	114	48
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	70			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	35			50	50	
Link Distance (ft)	743			558	590	
Travel Time (s)	14.3			7.4	13.8	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	106	42	31	139	114	48
Future Vol, veh/h	106	42	31	139	114	48
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	70	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	119	47	35	156	128	54

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	364	74	187	0	-	0
Stage 1	133	-	-	-	-	-
Stage 2	231	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	622	973	1386	-	-	-
Stage 1	880	-	-	-	-	-
Stage 2	807	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	600	964	1379	-	-	-
Mov Cap-2 Maneuver	600	-	-	-	-	-
Stage 1	854	-	-	-	-	-
Stage 2	803	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	11.5	1.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1379	-	600	964	-	-
HCM Lane V/C Ratio	0.025	-	0.199	0.049	-	-
HCM Control Delay (s/veh)	7.7	-	12.5	8.9	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0.1	-	0.7	0.2	-	-



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	7	4	10	164	114	41
Future Volume (vph)	7	4	10	164	114	41
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	100			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	30			50	50	
Link Distance (ft)	583			1051	558	
Travel Time (s)	13.3			14.3	7.4	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.75	0.75	0.75	0.75	0.75	0.75
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	7	4	10	164	114	41
Future Vol, veh/h	7	4	10	164	114	41
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	100	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	5	13	219	152	55

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	407	86	212	0	-	0
Stage 1	157	-	-	-	-	-
Stage 2	250	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	586	956	1357	-	-	-
Stage 1	856	-	-	-	-	-
Stage 2	791	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	574	947	1351	-	-	-
Mov Cap-2 Maneuver	632	-	-	-	-	-
Stage 1	843	-	-	-	-	-
Stage 2	787	-	-	-	-	-

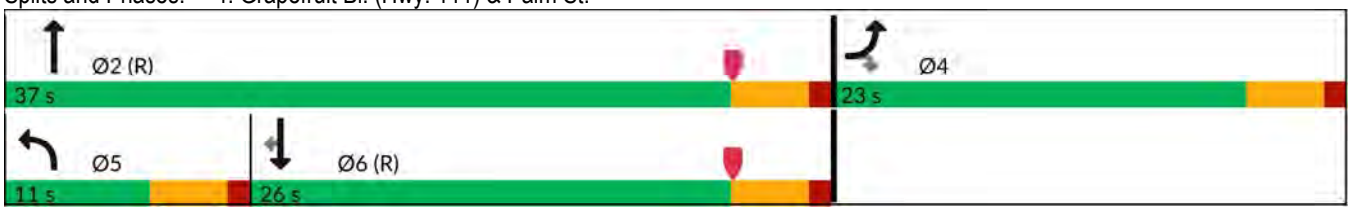
Approach	EB	NB	SB
HCM Control Delay, s/v	10.1	0.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1351	-	632	947	-	-
HCM Lane V/C Ratio	0.01	-	0.015	0.006	-	-
HCM Control Delay (s/veh)	7.7	-	10.8	8.8	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0	-	0	0	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	92	35	37	394	250	144
Future Volume (vph)	92	35	37	394	250	144
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100	0	245			205
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Right Turn on Red		Yes				Yes
Link Speed (mph)	35			45	45	
Link Distance (ft)	682			483	791	
Travel Time (s)	13.3			7.3	12.0	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Shared Lane Traffic (%)						
Turn Type	Prot	Perm	Prot	NA	NA	Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Detector Phase	4	4	5	2	6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	9.5	22.5	22.5	22.5
Total Split (s)	23.0	23.0	11.0	37.0	26.0	26.0
Total Split (%)	38.3%	38.3%	18.3%	61.7%	43.3%	43.3%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None	None	None	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 4: Grapefruit Bl. (Hwy. 111) & Palm St.



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	92	35	37	394	250	144
Future Volume (veh/h)	92	35	37	394	250	144
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	106	40	43	453	287	166
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	156	139	76	1426	1206	1018
Arrive On Green	0.09	0.09	0.04	0.76	0.64	0.64
Sat Flow, veh/h	1781	1585	1781	1870	1870	1579
Grp Volume(v), veh/h	106	40	43	453	287	166
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	1870	1579
Q Serve(g_s), s	3.5	1.4	1.4	4.6	3.9	2.5
Cycle Q Clear(g_c), s	3.5	1.4	1.4	4.6	3.9	2.5
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	156	139	76	1426	1206	1018
V/C Ratio(X)	0.68	0.29	0.57	0.32	0.24	0.16
Avail Cap(c_a), veh/h	549	489	193	1426	1206	1018
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.99	0.99	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.6	25.6	28.2	2.2	4.5	4.2
Incr Delay (d2), s/veh	5.1	1.1	6.5	0.6	0.5	0.3
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	1.3	0.7	0.5	1.0	0.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	31.6	26.7	34.6	2.8	4.9	4.6
LnGrp LOS	C	C	C	A	A	A
Approach Vol, veh/h	146			496	453	
Approach Delay, s/veh	30.3			5.6	4.8	
Approach LOS	C			A	A	

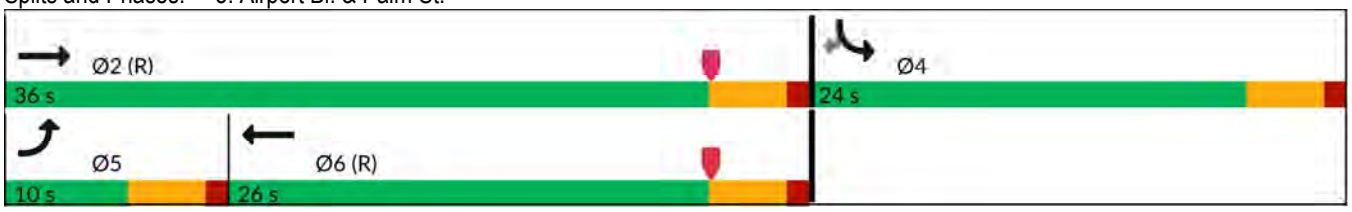
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		50.3		9.7	7.1	43.2
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	6.5	21.5
Max Q Clear Time (g_c+I1), s		6.6		5.5	3.4	5.9
Green Ext Time (p_c), s		2.6		0.3	0.0	1.8

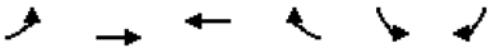
Intersection Summary	
HCM 6th Ctrl Delay, s/veh	8.6
HCM 6th LOS	A

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	24	199	372	104	115	66
Future Volume (vph)	24	199	372	104	115	66
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	140			0	100	0
Storage Lanes	1			0	1	1
Taper Length (ft)	90				90	
Right Turn on Red				Yes		Yes
Link Speed (mph)		45	45		35	
Link Distance (ft)		684	1384		682	
Travel Time (s)		10.4	21.0		13.3	
Confl. Peds. (#/hr)	5			5	5	5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases						4
Detector Phase	5	2	6		4	4
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	9.5	22.5	22.5		22.5	22.5
Total Split (s)	10.0	36.0	26.0		24.0	24.0
Total Split (%)	16.7%	60.0%	43.3%		40.0%	40.0%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	C-Max	C-Max		Max	Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 5: Airport Bl. & Palm St.





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	24	199	372	104	115	66
Future Volume (veh/h)	24	199	372	104	115	66
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	27	224	418	117	129	74
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	54	1866	1152	319	579	515
Arrive On Green	0.03	0.52	0.42	0.42	0.32	0.32
Sat Flow, veh/h	1781	3647	2838	761	1781	1585
Grp Volume(v), veh/h	27	224	269	266	129	74
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1728	1781	1585
Q Serve(g_s), s	0.9	1.9	6.2	6.3	3.2	2.0
Cycle Q Clear(g_c), s	0.9	1.9	6.2	6.3	3.2	2.0
Prop In Lane	1.00			0.44	1.00	1.00
Lane Grp Cap(c), veh/h	54	1866	746	725	579	515
V/C Ratio(X)	0.50	0.12	0.36	0.37	0.22	0.14
Avail Cap(c_a), veh/h	163	1866	746	725	579	515
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.99	0.99
Uniform Delay (d), s/veh	28.6	7.2	11.9	11.9	14.7	14.3
Incr Delay (d2), s/veh	7.1	0.1	1.4	1.4	0.9	0.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.6	2.2	2.2	1.3	2.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	35.7	7.4	13.3	13.4	15.6	14.9
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		251	535		203	
Approach Delay, s/veh		10.4	13.3		15.4	
Approach LOS		B	B		B	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		36.0		24.0	6.3	29.7
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		31.5		19.5	5.5	21.5
Max Q Clear Time (g_c+I1), s		3.9		5.2	2.9	8.3
Green Ext Time (p_c), s		1.3		0.5	0.0	2.4

Intersection Summary		
HCM 6th Ctrl Delay, s/veh		13.0
HCM 6th LOS		B

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	229	6	15	417	531	313
Future Volume (vph)	229	6	15	417	531	313
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	13.8			17.6	7.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Sign Control	Stop			Stop	Stop	

Intersection Summary	
Area Type:	Other
Control Type: Unsignalized	

Intersection	
Intersection Delay, s/veh	39.9
Intersection LOS	E

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	229	6	15	417	531	313
Future Vol, veh/h	229	6	15	417	531	313
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	257	7	17	469	597	352
Number of Lanes	1	0	0	1	1	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	2	1
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	2	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	1	0	1
HCM Control Delay, s/veh	17.6	31.1	50.6
HCM LOS	C	D	F

Lane	NBLn1	EBLn1	SBLn1	SBLn2
Vol Left, %	3%	97%	0%	0%
Vol Thru, %	97%	0%	100%	0%
Vol Right, %	0%	3%	0%	100%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	432	235	531	313
LT Vol	15	229	0	0
Through Vol	417	0	531	0
RT Vol	0	6	0	313
Lane Flow Rate	485	264	597	352
Geometry Grp	4a	2	5	5
Degree of Util (X)	0.82	0.519	1.035	0.541
Departure Headway (Hd)	6.083	7.074	6.247	5.534
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	592	510	579	647
Service Time	4.143	5.134	4.016	3.302
HCM Lane V/C Ratio	0.819	0.518	1.031	0.544
HCM Control Delay, s/veh	31.1	17.6	71.7	14.7
HCM Lane LOS	D	C	F	B
HCM 95th-tile Q	8.4	3	16.2	3.2

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	229	6	15	417	531	313
Future Volume (vph)	229	6	15	417	531	313
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Right Turn on Red		Yes				Yes
Link Speed (mph)	50			45	40	
Link Distance (ft)	455			1162	502	
Travel Time (s)	6.2			17.6	8.6	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Shared Lane Traffic (%)						
Turn Type	Prot		Perm	NA	NA	Perm
Protected Phases	4			2	6	
Permitted Phases			2			6
Detector Phase	4		2	2	6	6
Switch Phase						
Minimum Initial (s)	5.0		5.0	5.0	5.0	5.0
Minimum Split (s)	22.5		22.5	22.5	22.5	22.5
Total Split (s)	23.0		37.0	37.0	37.0	37.0
Total Split (%)	38.3%		61.7%	61.7%	61.7%	61.7%
Yellow Time (s)	3.5		3.5	3.5	3.5	3.5
All-Red Time (s)	1.0		1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.5			4.5	4.5	4.5
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	None		C-Max	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBT, Start of Yellow	
Natural Cycle: 50	
Control Type: Actuated-Coordinated	

Splits and Phases: 1: Grapefruit Bl. (Hwy. 111) & Tyler St.





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	229	6	15	417	531	313
Future Volume (veh/h)	229	6	15	417	531	313
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	0.99	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	257	7	17	469	597	352
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	321	9	77	1194	1241	1048
Arrive On Green	0.19	0.19	0.66	0.66	0.66	0.66
Sat Flow, veh/h	1722	47	23	1799	1870	1579
Grp Volume(v), veh/h	265	0	486	0	597	352
Grp Sat Flow(s),veh/h/ln	1775	0	1821	0	1870	1579
Q Serve(g_s), s	8.6	0.0	0.0	0.0	9.5	5.8
Cycle Q Clear(g_c), s	8.6	0.0	7.1	0.0	9.5	5.8
Prop In Lane	0.97	0.03	0.03			1.00
Lane Grp Cap(c), veh/h	331	0	1271	0	1241	1048
V/C Ratio(X)	0.80	0.00	0.38	0.00	0.48	0.34
Avail Cap(c_a), veh/h	547	0	1271	0	1241	1048
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	23.3	0.0	4.6	0.0	5.0	4.4
Incr Delay (d2), s/veh	4.5	0.0	0.9	0.0	1.3	0.9
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	1.6	0.0	2.5	1.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	27.9	0.0	5.5	0.0	6.3	5.2
LnGrp LOS	C		A		A	A
Approach Vol, veh/h	265			486	949	
Approach Delay, s/veh	27.9			5.5	5.9	
Approach LOS	C			A	A	

Timer - Assigned Phs		2		4		6
Phs Duration (G+Y+Rc), s		44.3		15.7		44.3
Change Period (Y+Rc), s		4.5		4.5		4.5
Max Green Setting (Gmax), s		32.5		18.5		32.5
Max Q Clear Time (g_c+I1), s		9.1		10.6		11.5
Green Ext Time (p_c), s		2.9		0.5		5.0

Intersection Summary		
HCM 6th Ctrl Delay, s/veh		9.2
HCM 6th LOS		A



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	83	38	42	152	164	164
Future Volume (vph)	83	38	42	152	164	164
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	70			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	35			50	50	
Link Distance (ft)	743			558	590	
Travel Time (s)	14.3			7.4	13.8	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.79	0.79	0.79	0.79	0.79	0.79
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	83	38	42	152	164	164
Future Vol, veh/h	83	38	42	152	164	164
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	70	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	105	48	53	192	208	208

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	516	114	421	0	-	0
Stage 1	213	-	-	-	-	-
Stage 2	303	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	504	918	1136	-	-	-
Stage 1	803	-	-	-	-	-
Stage 2	748	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	475	909	1131	-	-	-
Mov Cap-2 Maneuver	475	-	-	-	-	-
Stage 1	761	-	-	-	-	-
Stage 2	744	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	13	1.8	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1131	-	475	909	-	-
HCM Lane V/C Ratio	0.047	-	0.221	0.053	-	-
HCM Control Delay (s/veh)	8.3	-	14.7	9.2	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0.1	-	0.8	0.2	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	51	11	2	143	199	5
Future Volume (vph)	51	11	2	143	199	5
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	100			50
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Link Speed (mph)	30			50	50	
Link Distance (ft)	583			1051	558	
Travel Time (s)	13.3			14.3	7.4	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.75	0.75	0.75	0.75	0.75	0.75
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other

Control Type: Unsignalized

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	51	11	2	143	199	5
Future Vol, veh/h	51	11	2	143	199	5
Conflicting Peds, #/hr	5	5	5	0	0	5
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	100	-	-	50
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	68	15	3	191	265	7

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	472	143	277	0	-	0
Stage 1	270	-	-	-	-	-
Stage 2	202	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.13	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	535	879	1284	-	-	-
Stage 1	752	-	-	-	-	-
Stage 2	831	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	529	871	1278	-	-	-
Mov Cap-2 Maneuver	598	-	-	-	-	-
Stage 1	747	-	-	-	-	-
Stage 2	827	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	11.3	0.1	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1278	-	598	871	-	-
HCM Lane V/C Ratio	0.002	-	0.114	0.017	-	-
HCM Control Delay (s/veh)	7.8	-	11.8	9.2	-	-
HCM Lane LOS	A	-	B	A	-	-
HCM 95th %tile Q (veh)	0	-	0.4	0.1	-	-

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	173	47	33	329	535	163
Future Volume (vph)	173	47	33	329	535	163
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100	0	245			205
Storage Lanes	1	1	1			1
Taper Length (ft)	90		90			
Right Turn on Red		Yes				Yes
Link Speed (mph)	35			45	45	
Link Distance (ft)	682			483	791	
Travel Time (s)	13.3			7.3	12.0	
Confl. Peds. (#/hr)	5	5	5			5
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Shared Lane Traffic (%)						
Turn Type	Prot	Perm	Prot	NA	NA	Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Detector Phase	4	4	5	2	6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	9.5	22.5	22.5	22.5
Total Split (s)	22.5	22.5	9.5	37.5	28.0	28.0
Total Split (%)	37.5%	37.5%	15.8%	62.5%	46.7%	46.7%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None	None	None	C-Max	C-Max	C-Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 60	
Control Type: Actuated-Coordinated	

Splits and Phases: 4: Grapefruit Bl. (Hwy. 111) & Palm St.





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	173	47	33	329	535	163
Future Volume (veh/h)	173	47	33	329	535	163
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	186	51	35	354	575	175
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	247	220	66	1330	1121	946
Arrive On Green	0.14	0.14	0.04	0.71	0.60	0.60
Sat Flow, veh/h	1781	1585	1781	1870	1870	1578
Grp Volume(v), veh/h	186	51	35	354	575	175
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	1870	1578
Q Serve(g_s), s	6.0	1.7	1.2	4.0	10.7	3.0
Cycle Q Clear(g_c), s	6.0	1.7	1.2	4.0	10.7	3.0
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	247	220	66	1330	1121	946
V/C Ratio(X)	0.75	0.23	0.53	0.27	0.51	0.18
Avail Cap(c_a), veh/h	534	476	148	1330	1121	946
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.95	0.95	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.8	23.0	28.4	3.1	7.0	5.4
Incr Delay (d2), s/veh	4.4	0.5	6.6	0.5	1.7	0.4
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	1.6	0.6	0.7	3.1	0.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	29.2	23.5	35.0	3.6	8.6	5.8
LnGrp LOS	C	C	C	A	A	A
Approach Vol, veh/h	237			389	750	
Approach Delay, s/veh	28.0			6.4	8.0	
Approach LOS	C			A	A	

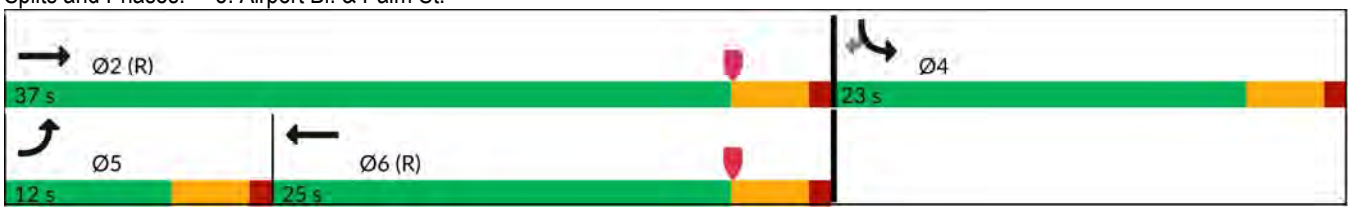
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		47.2		12.8	6.7	40.5
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		33.0		18.0	5.0	23.5
Max Q Clear Time (g_c+I1), s		6.0		8.0	3.2	12.7
Green Ext Time (p_c), s		1.9		0.5	0.0	3.0

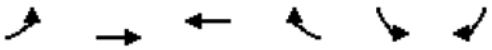
Intersection Summary			
HCM 6th Ctrl Delay, s/veh		11.0	
HCM 6th LOS		B	

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	58	319	204	161	132	64
Future Volume (vph)	58	319	204	161	132	64
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	140			0	100	0
Storage Lanes	1			0	1	1
Taper Length (ft)	90				90	
Right Turn on Red				Yes		Yes
Link Speed (mph)		45	45		35	
Link Distance (ft)		684	1384		682	
Travel Time (s)		10.4	21.0		13.3	
Confl. Peds. (#/hr)	5			5	5	5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Shared Lane Traffic (%)						
Turn Type	Prot	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases						4
Detector Phase	5	2	6		4	4
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	9.5	22.5	22.5		22.5	22.5
Total Split (s)	12.0	37.0	25.0		23.0	23.0
Total Split (%)	20.0%	61.7%	41.7%		38.3%	38.3%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	C-Max	C-Max		Max	Max

Intersection Summary	
Area Type:	Other
Cycle Length: 60	
Actuated Cycle Length: 60	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 55	
Control Type: Actuated-Coordinated	

Splits and Phases: 5: Airport Bl. & Palm St.





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	58	319	204	161	132	64
Future Volume (veh/h)	58	319	204	161	132	64
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	67	367	234	185	152	74
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	100	1925	789	597	549	489
Arrive On Green	0.06	0.54	0.41	0.41	0.31	0.31
Sat Flow, veh/h	1781	3647	2015	1453	1781	1585
Grp Volume(v), veh/h	67	367	216	203	152	74
Grp Sat Flow(s),veh/h/ln	1781	1777	1777	1598	1781	1585
Q Serve(g_s), s	2.2	3.2	4.9	5.2	3.9	2.0
Cycle Q Clear(g_c), s	2.2	3.2	4.9	5.2	3.9	2.0
Prop In Lane	1.00			0.91	1.00	1.00
Lane Grp Cap(c), veh/h	100	1925	730	656	549	489
V/C Ratio(X)	0.67	0.19	0.30	0.31	0.28	0.15
Avail Cap(c_a), veh/h	223	1925	730	656	549	489
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.99	0.99
Uniform Delay (d), s/veh	27.8	7.0	11.9	11.9	15.7	15.1
Incr Delay (d2), s/veh	7.6	0.2	1.0	1.2	1.2	0.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.9	1.7	1.7	1.6	2.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	35.3	7.2	12.9	13.2	16.9	15.7
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		434	419		226	
Approach Delay, s/veh		11.6	13.0		16.5	
Approach LOS		B	B		B	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		37.0		23.0	7.9	29.1
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		32.5		18.5	7.5	20.5
Max Q Clear Time (g_c+I1), s		5.2		5.9	4.2	7.2
Green Ext Time (p_c), s		2.2		0.5	0.0	1.9

Intersection Summary						
HCM 6th Ctrl Delay, s/veh			13.2			
HCM 6th LOS			B			

APPENDIX 7.1: VEHICLE MILES TRAVELED (VMT) SCREENING

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URBAN CROSSROADS

15967-03 VMT.docx

Screening Conclusion accepted as presented. 6.18.24

Include in TIA; LIST IN TIA TOC.

May 23, 2024

Mr. Andrew Simmons, P.E.
City of Coachella
53990 Enterprise Way
Coachella, CA 92236

ARMTEC MASTER PLAN VEHICLE MILES TRAVELED (VMT) SCREENING

Mr. Andrew Simmons, P.E.,

Urban Crossroads, Inc. is pleased to provide the following Vehicle Miles Traveled (VMT) Screening for the Armtec Master Plan development (Project), which is located at the southwest corner of Tyler Street and Avenue 53 in the City of Coachella.

PROJECT OVERVIEW

It is our understanding that the Project is to consist of the expansion of an existing defense technologies facility. A preliminary master plan for the proposed Project is shown on Exhibit 1. Access to the Project is provided via the Armtec Entrance, which is a full access driveway to Tyler Street (located south of Avenue 53).

The Project total addition to the existing site includes:

- 15,000 SF of Production Facility (Manufacturing)
- 37,800 SF Storage Facilities (Warehousing)
- 3,000 SF of Research & Development

BACKGROUND

Changes to California Environmental Quality Act (CEQA) Guidelines were adopted in December 2018, which requires all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the new measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a Technical Advisory on Evaluating Transportation Impacts in CEQA (December of 2018) (**Technical Advisory**) (1). Based on OPR's Technical Advisory, the County of Riverside adopted their Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled (December of 2020) (**County Guidelines**) (2).

The adopted County Guidelines have been utilized to prepare this VMT screening assessment.

Consistent with County Guidelines, projects should evaluate available screening criteria based on their location and project type to determine if a presumption of a less than significant transportation impact can be made. The following project screening thresholds were selected for review based on their applicability to the proposed Project:

- Small Projects Screening
- High Quality Transit Areas (HQTA) Screening
- Map-Based Screening

SMALL PROJECTS SCREENING

County Guidelines identify those projects forecasted to generate greenhouse gas (GHG) emissions below 3,000 Metric Tons of Carbon Dioxide Equivalent ($MTCO_2e$) per year are also assumed to cause a less than significant VMT impact.[1] The County Guidelines provides a list of land use types based on quantity (i.e., dwelling units or square footage) and provides a typical development potential to be below the 3,000 $MTCO_2e$ per year. Warehouse buildings sized 208,000 square feet, industrial buildings sized 179,000 square feet and below and office buildings sized 165,000 square feet and below have been identified to meet the County threshold[2]. In addition, if project trip generation is less than 110 trips per day per the ITE Manual, the Project is presumed to cause a less-than-significant impact.

The Project warehouse quantity of 37,800 SF is approximately 18% of the 208,000 SF warehouse VMT screening criteria. The Project manufacturing quantity of 15,000 SF is approximately 8% of the 179,000 SF industrial VMT screening criteria. The Project research and development quantity of 3,000 SF is approximately 2% of the 1658,000 SF office VMT screening criteria.

✓ **Small Projects screening criteria is met.**

HIGH QUALITY TRANSIT AREAS (HQTA) SCREENING

Projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"[3] or an existing stop along a "high-quality transit corridor"[4]) may be presumed to have a less than significant impact absent substantial evidence to the contrary. The Project is not located within ½ mile of an existing major transit stop, or along a high-quality transit corridor.

HQTA screening criteria is not met.

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[1] County Guidelines; Page 19.
[2] County Guidelines; Page 42, Table 1
[3] Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").
[4] Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

EXHIBIT 1: ARMTEC MASTER PLAN



15967 - 01 - Study Area.dwg

MAP-BASED SCREENING

The County Guidelines note that "office projects that locate in areas with low VMT, and that incorporate similar features (i.e., density, mix of uses, transit accessibility), will tend to exhibit similarly low VMT."[5] County Guidelines also state that the use of map-based screening is also applicable for other employment uses, so map-based screening applies to the entire Project. Urban Crossroads has obtained a VMT data table from County Staff for all TAZs within Riverside County that identifies VMT per employee for the purposes of identifying low VMT areas. The data utilizes the sub-regional Riverside Transportation Analysis Model (RIVTAM) to measure baseline VMT performance, and a comparison was made to the applicable impact threshold.

The Project's TAZ was identified in the Riverside County Transportation Analysis Model (RIVTAM) as TAZ 4831. The County's data table identifies the Project's TAZ 4831 to generate 16.70 VMT per employee. Whereas the County regional threshold is 14.2 VMT per employee[6], the Project is not located in a low VMT area.

Map-Based screening criteria is not met.

CONCLUSION

In summary, the Project was evaluated consistent with available screening criteria as presented in the County Guidelines. The small project screening criteria is met, so a full analysis of VMT associated with site employment is not required. The Project is presumed to have a less than significant impact on VMT.

If you have any questions, please contact us at jkain@urbanxroads.com for John or mwhiteman@urbanxroads.com for Marlie.

Respectfully submitted,

URBAN CROSSROADS, INC.

John Kain

John Kain, AICP
Principal

Marlie Whiteman

Marlie Whiteman, P.E.
Senior Associate

[5] Technical Advisory; Page 12
[6] County Guidelines; Page 22

REFERENCES

1. **Office of Planning and Research.** *Technical Advisory on Evaluating Transportation Impacts in CEQA.* State of California : s.n., December 2018.

2. **County of Riverside.** *Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled.* County of Riverside : s.n., December 2020.

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Armtec Expansion Master Plan
Environmental Assessment 25-01
Conditional Use Permit 389
Architectural Review 25-02

Response to Comments

The City received three comment letters to the Initial Study/Mitigated Negative Declaration for the proposed Project. The following provides individual comments and responses. The complete comments are attached to this response in Appendix A.

United States Fish and Wildlife Service (USFWS)
Letter dated May 21, 2025

Comment 1:

This letter is in response to the notice dated April 22, 2025, soliciting comments on the draft Initial Study and Intent to Adopt Proposed Mitigated Negative Declaration (ISMND) for the Armtec Expansion Master Plan (Project), located in the City of Coachella, Riverside County, California. The Project applicant, Armtec Defense Technologies proposes to construct new storage, research and development, and production facilities totaling to 37,800 square feet (sf), a 73,200-sf staging area, three retention basins, and off-site improvements adjacent to the Project site.

We offer the following comments on the draft ISMND as they relate to potential impacts on public trust resources. The primary concern and mandate of the U.S. Fish and Wildlife Service (Service) is the conservation, protection, and enhancement of fish and wildlife resources and their habitats for the continuing benefit of the American people. The Service has legal responsibility for the welfare of migratory birds, anadromous fish, and threatened or endangered animals and plants listed under the Endangered Species Act of 1973 (Act), as amended (16 U.S.C. 1531 *et seq*.). The comments provided herein are based on the information provided in the draft ISMND and our knowledge of sensitive and declining fish and wildlife resources.

The Project site is located within the boundary of the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP), and the City of Coachella (City) is a Local Permittee to the CVMSHCP. The Project site is adjacent to CVMSHCP-modeled habitat for the following Covered Species: crissal thrasher (*Toxostoma crissale*), least Bell's vireo (*Vireo bellii pusillus*), summer tanager (*Piranga rubra cooperi*), yellow-breasted chat (*Icteria virens*), and yellow warbler (*Dendroica petechia brewsteri*). The Project applicant completed Phase 1 of the Project which was the construction of a solar grid in early 2025. Phase 2 and Phase 3 of the Armtec Expansion Master Plan are the subject of this draft ISMND. As stated above, Phase 2 includes construction of a 15,000-sf storage warehouse, a 73,000-sf truck staging area, a 3,000-sf research and development facility, and three retention basins, totaling 75,650 sf. Phase 3 includes the construction of a 15,000-sf production facility, a 15,000-sf storage warehouse, two 900-sf storage structures, and an expansion of an existing storage warehouse by 6,000 sf. The proposed Project also includes off-site improvements, including improving and widening Tyler Street.

Response 1:

The comment is noted. It provides a description of the Project and requires no further response.

Comment 2:

The draft ISMND states that flora and fauna were observed during the field reconnaissance of the Project site on June 6, 2024, as part of the Archaeological and Paleontological Resources Assessment. However, the draft ISMND does not indicate completion of additional biological field surveys or include a biological resources assessment. A biological resources assessment is necessary to accurately assess the Project's potential impacts to fish and wildlife resources. Please revise the draft ISMND to include a biological resources assessment, including impacts to Covered Species (identified above) under the CVMSHCP and their habitat.

Response 2:

The ISMND currently describes the environmental setting and general conditions of the Armtec site under the Biological Resources "Setting" section and describes the heavily disturbed nature of the Project site in the "Discussion of Impacts" section. For clarification, most onsite vegetation is limited to areas of ornamental landscaping on the southern parcel, as shown in Exhibit 2: *Project Location Map*, and will not be impacted by Project improvements, which will occur in areas as shown on Exhibit 3: *Armtec Expansion Master Plan* and Exhibits 4: and 5: *Phase 2 Preliminary Site Plan Northern Parcel/Southern Parcel*. The portions of the project site where ground disturbance will occur are graded, predominantly bare soil surfaces that have been leveled and compacted, with minimal vegetation consisting of sparse, low-density patches of short grass or herbaceous growth. Furthermore, the site is heavily disturbed by existing Armtec facility operations, including daily vehicle and personnel activity, heavy machinery use, truck deliveries, and existing noise and light pollution from onsite and nearby development, which collectively deter species from occupying the site.

Moreover, as indicated in Comment 1, the site is "adjacent" to CVMSHCP-modeled habitat for the above-mentioned Covered Species, not within. As indicated in response IV. f) of the ISMND, "[t]he Project proponent will be required to pay the local development mitigation fee to mitigate impacts to covered species. Payment of the fee is a standard requirement of projects in the CVMSHCP coverage area." Also, ISMND Mitigation Measure (MM) BIO-1, as amended in Response 3, requires pre-construction surveys for burrowing owl and nesting birds which provides an appropriate approach to mitigating potential impacts to these species given the existing degraded site conditions

Supplemental site photographs are provided, below, to support the conclusion that the areas of proposed improvements are void of significant biological resources and that a biological resources assessment is not required to demonstrate that the project would impact wildlife resources including Covered Species under the CVMSHCP.

Areas of Project Disturbance



Phase 2 disturbance area: northern parcel, looking south towards Armtec



Phase 2 disturbance area: southern parcel, looking southwest towards Armtec



Comment 3:

Nesting Birds

The Migratory Bird Treaty Act (MBTA) of 1918 (16 U.S.C. § 703 *et seq*) prohibits take of individuals, parts, nests, or eggs of migratory birds. “Take” is defined in the Service’s general wildlife regulations as “to pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to pursue, hunt, shoot, wound, kill, trap, capture, or collect (50 C.F.R. § 10.12).” The Service’s section 10(a)(1)(B) Permit associated with the CVMSHCP constitutes a Special Purpose Permit

under the MBTA for the Take of Covered Species. However, only Take of migratory bird habitat is provided, and the Permit states that "[a]ny such Take will not be in violation of the MBTA." Therefore, Take of individuals, parts, nests, or eggs, as described in the MBTA is not authorized in the Special Purpose Permit, and any Take of migratory bird habitat associated with Covered Activities will not be in violation of the MBTA.

The draft ISMND states that the Project site has low potential to provide nesting opportunities due to the disturbed nature of the vegetation and soils and concludes that the proposed Project's potential impacts to migratory bird species are negligible. Although the Project site is disturbed, the presence of sparse vegetation, particularly cover of shrubs, is suitable habitat for ground-nesting birds. Furthermore, bare ground or sparse vegetation cover constitutes suitable nesting habitat for some ground-nesting birds. The proposed ground disturbance may consequently result in unauthorized Take of migratory birds without implementation of the necessary avoidance, minimization, and mitigation measures. Additionally, the draft ISMND does not indicate completion of focused nesting bird surveys. Focused nesting bird surveys are necessary to accurately confirm nesting bird presence or absence on the Project site. A complete assessment of the biological resources within the Project area is required to assess the Project's potential impacts to migratory birds. Please revise the draft ISMND to include a complete assessment of the Project's potential impacts to nesting bird habitat, including completion of nesting bird surveys during the appropriate time of year, to determine the extent of nesting birds on the Project site.

Response 3:

See Response 2, above, which details regarding the existing ground conditions of the proposed disturbance areas. These conditions demonstrate that a separate biological resources assessment is not warranted. The pre-construction survey requirements (MM BIO-1, as amended herein) provide an appropriate measure to mitigate potential impacts to biological resources, ensuring compliance with applicable regulations.

The ISMND currently includes two pre-construction burrowing owl surveys with specific timeline requirements in compliance with CDFW protocol and explicitly requires CDFW consultation if burrowing owls are detected (MM BIO-1). The City acknowledges USFW's concern regarding the potential presence of ground nesting birds within the project area, therefore, in response to USFWS Comment 3 (and Comment 4), and in response to the CDFW comment letter received 5/22/25, we have expanded the pre-construction survey protocols in MM BIO-1 to address both burrowing owl and nesting birds by including concurrent nesting bird surveys. With the following additions in **bold** and removals in ~~strikethroug~~h, MM BIO-1 is hereby amended to read:

BIO-1 ***Burrowing Owl and Migratory Bird Surveys***

A qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys ***following the CDFW (2012 or current) Staff Report on Burrowing Owl Mitigation, combined with nesting bird surveys in compliance with the Migratory Bird Treaty Act (MBTA).*** ~~*on the northern parcel of the Project site during Phase 2.*~~ *The first shall occur between 14 and 30 days prior to ground disturbance, and the*

*second shall occur within 24 hours of ground disturbance**. If the pre-construction surveys confirm burrowing owl presence, the Project applicant shall submit a Burrowing Owl Plan that includes avoidance, minimization, and mitigation measures to the USFWS and CDFW—collectively the Wildlife Agencies—for review and approval prior to beginning Project activities. The Project proponent shall coordinate with the Wildlife Agencies on the appropriate avoidance, minimization, and mitigation measures to be included in the Burrowing Owl Plan. If avoidance of burrowing owl is not possible, coordination with the Wildlife Agencies for a burrowing owl relocation plan is required pursuant Section 4.4 and Section 8.5.2 of the CVMSHCP.*** ~~*If burrowing owls are detected, the project proponent shall consult with CDFW to determine what course of action is needed, such as the use of exclusion devices (if applicable) to discourage owls from using burrows that are believed to be in jeopardy of being impacted by implementation of the project.*~~

If active nests are found during the pre-construction nesting bird surveys, a qualified biologist shall establish an appropriate nest buffer to be marked on the ground. Nest buffers are species specific and shall be at least 300 feet for passerines and 500 feet for raptors. A smaller or larger buffer may be determined by the qualified biologist familiar with the nesting phenology of the nesting species and based on nest and buffer monitoring results. Construction activities may not occur inside the established buffer(s), which shall remain on-site until a qualified biologist determines the young have fledged or the nest is no longer active. Active nests and adequacy of the established buffer distance shall be monitored daily by the qualified biologist until the qualified biologist has determined the young have fledged. The qualified biologist has the authority to stop work if nesting pairs exhibit signs of disturbance.

Mitigation Monitoring:

BIO-A Prior to the issuance of any permit to allow ground disturbance on the northern parcel of the site, the Project Proponent shall submit the pre-construction surveys for burrowing owl ***and nesting birds*** *to the City.*

Pre-construction surveys: No less than 14 days prior to start of Project- related activities and within 24 hours prior to ground disturbance and when there is a pause in construction of more than 30 days.

If a Burrowing Owl Plan or a Burrowing Owl Relocation Plan is required, the Plan(s) shall be submitted to the City, USFWS and CDFW for approval prior to the issuance of grading permits.

Responsible Parties: Project applicant, project biologist, Planning Division.

The proposed revision to MM BIO-1 enhances the Project's environmental safeguards, addressing USFWS concerns in Comment 3 (and Comment 4), while maintaining compliance

with CEQA requirements. The inclusion of nesting bird surveys does not introduce new significant environmental impacts or substantially alter the project's scope, as it strengthens an existing mitigation measure to further minimize potential effects on nesting birds.

Comment 4:

Burrowing Owl

The Western burrowing owl (*Athene cunicularia hypugaea*; burrowing owl) is protected under the MBTA and is a Covered Species under the CVMSHCP. However, the Service's section 10(a)(1)(B) Permit for the CVMSHCP does not provide Take for burrowing owl individuals, nests, or eggs. Within the CVMSHCP boundary, as a Permittee, the City must ensure their activities comply with MBTA and implement the appropriate avoidance, minimization, and mitigation measures to avoid Take of burrowing owl individuals, nests, or eggs.

The draft ISMND states that the northern portion of the Project site has potential for burrowing owl presence due to its sparse vegetation. However, the draft ISMND does not indicate that focused burrowing owl surveys were completed. Pursuant to the California Department of Fish and Wildlife's (CDFW) Staff Report on Burrowing Owl Mitigation (2012 or most recent version), for both breeding and non-breeding season surveys, a minimum of four survey visits are required to accurately assess a site for burrowing owl presence. Given the lack of multiple, focused burrowing owl surveys, the total number of burrowing owl individuals or suitable and occupied burrows within the Project area is unknown. Please revise the draft ISMND to include an accurate assessment of the Project's potential impacts to burrowing owl, including focused survey results following the protocols outlined in the 2012 Staff Report on Burrowing Owl Mitigation.

Additionally, Mitigation Measure (MM) BIO-1 requires take avoidance pre-construction burrowing owl surveys and subsequent consultation with CDFW should burrowing owl presence be confirmed. MM-BIO-1 lacks further detail regarding the survey methodology for the pre-construction surveys. We recommend that MM-BIO-1 be revised to specify that the pre-construction surveys shall be completed in accordance with the Staff Report on Burrowing Owl Mitigation. In addition, we recommend that MM-BIO-1 be revised to require that, if the pre-construction surveys confirm burrowing owl presence, the Project applicant shall submit a Burrowing Owl Plan that includes avoidance, minimization, and mitigation measures to the Service and CDFW—collectively the Wildlife Agencies—for review and approval prior to beginning Project activities. The Project proponent shall coordinate with the Wildlife Agencies on the appropriate avoidance, minimization, and mitigation measures to be included in the Burrowing Owl Plan. If avoidance of burrowing owl is not possible, coordination with the Wildlife Agencies for a burrowing owl relocation plan is required pursuant Section 4.4 and Section 8.5.2 of the CVMSHCP.

Response 4:

See Response 3, above, which revises MM BIO-1 to clarify that take avoidance pre-construction burrowing owl surveys shall follow the CDFW (2012 or current) Staff Report on Burrowing Owl

Mitigation, which addresses USFW's concerns about compliance with CDFW survey protocol. Per CDFW's 2012 Staff Report on Burrowing Owl Mitigation, "take avoidance surveys are intended to detect the presence of burrowing owls on a project site at a fixed period in time and inform necessary take avoidance actions." The two pre-construction surveys, as required by amended MM BIO-1, are standard, effective measures to detect any transient or resident owls immediately prior to construction.

The USFWS's concern for burrowing owl protection and their recommendation for a minimum of four survey visits to assess owl presence is noted. However, the revised MM BIO-1, requiring two preconstruction take surveys for burrowing owls in accordance with CDFW protocols, provides an appropriate approach to confirming owl presence given existing site conditions (see Response 2). The Armtec site's highly disturbed conditions—due to ongoing vehicle and personnel activity, heavy machinery, truck deliveries, and noise and light pollution—render it less suitable for burrowing owls, which prefer low-disturbance habitats. The two required surveys, conducted by qualified biologists, are sufficient to detect potential owl activity prior to construction, ensuring compliance with environmental regulations while addressing site-specific conditions. No additional surveys or revisions to the ISMND are necessary.

Comment 5:

We appreciate the opportunity to provide comments on the draft ISMND. If you have any questions regarding these comments, please contact Lory Salazar-Velasquez.

Response 5:

The City thanks the USFWS for its participation in this process.

California Department of Fish and Wildlife (CDFW)
Letter dated May 22, 2025

Comment 1:

The California Department of Fish and Wildlife (CDFW) received a Notice of Intent to Adopt a Mitigated Negative Declaration from the City of Coachella (City) for the Project pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines.

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

CDFW ROLE

CDFW is California's Trustee Agency for fish and wildlife resources and holds those resources in trust by statute for all the people of the State. (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a).) CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species. (Id., § 1802.) Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on Projects and related activities that have the potential to adversely affect fish and wildlife resources.

CDFW is also submitting comments as a Responsible Agency under CEQA. (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381.) CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority. (Fish & G. Code, § 1600 et seq.) Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), the Project proponent may seek related take authorization as provided by the Fish and Game Code.

PROJECT DESCRIPTION SUMMARY

Proponent: Armtec Defense Products Co.

Objective: Armtec's existing industrial and manufacturing operations currently are located on the southern parcel, and the northern parcel currently contains a ±33,900 sf ground mounted solar grid located on the eastern half of the parcel. The proposed Project is Phase 2 and Phase 3 of the three-phase Armtec Expansion Master Plan. The Project proposes the construction of a new 15,000 sf storage warehouse, a ±73,200 truck staging area and 9,900 sf retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins totaling 65,750 sf on the southern parcel. Phase 3 includes the construction of a new 15,000 SF production facility, a new 15,000 sf storage warehouse, two new 900 sf storage structures, and a 6,000 sf expansion of an existing storage warehouse, all located on the southern parcel.

The Project proposes off-site improvements adjacent to the site, including the widening and improvements of Tyler Street. The Project proposes new interior and exterior building lighting and safety and security lighting. The Project also proposes 97,000 SF of landscaping, on- and off-site, including landscaping around new buildings and within offsite street improvements.

Location: The Project is located at 85901 Avenue 53 in City of Coachella, Riverside County, California. The Project site consists of two parcels totaling approximately 52.65 acres in size, identified by assessor's parcel numbers (APNs) 778-420-013 (14.96 acres) and 778-390-008 (37.69 acres).

Timeframe: The MND proposes a construction timeframe from June 2025 through December 2026 for Phase 2. The timing for construction of Phase 3 is currently undetermined.

Response 1:

The comment is noted. It provides a description of the Project and requires no further response.

Comment 2:

COMMENTS AND RECOMMENDATIONS

CDFW has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (i.e., biological resources). CDFW offers the comments and recommendations below to assist the City in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. The MND has not adequately identified and disclosed the Project's impacts (i.e., direct, indirect, and cumulative) on biological resources and whether those impacts are reduced to less than significant.

CDFW's comments and recommendations on the MND are explained in greater detail below and summarized here. CDFW is concerned that the MND does not adequately identify or mitigate the Project's significant, or potentially significant, impacts to biological resources. CDFW requests that additional information and analyses be added to a revised MND, along with avoidance, minimization, and mitigation measures that avoid or reduce impacts to a level less than significant.

Response 2:

The comment is noted. Individual responses to specific issues are provided below.

Comment 3:

<u>Existing Environmental Setting</u>

Compliance with CEQA is predicated on a complete and accurate description of the environmental setting that may be affected by the proposed Project. CDFW is concerned that the assessment of the existing environmental setting has not been adequately analyzed in the MND. CDFW is concerned that without a complete and accurate description of the existing environmental setting, the MND may provide an incomplete analysis of Project-related environmental impacts.

The MND lacks a complete and appropriate assessment of biological resources within the Project site and surrounding area specifically as it relates burrowing owl (*Athene cunicularia*) and nesting birds, as discussed in the Nesting Bird and Burrowing Owl sections below. A complete and accurate assessment of the environmental setting and Project-related impacts to biological resources is needed to both identify appropriate avoidance, minimization, and mitigation measures and demonstrate that these measures reduce Project impacts to less than significant.

Mitigation Measures

CEQA requires that an MND include mitigation measures to avoid or reduce significant impacts. CDFW is concerned that the mitigation measures proposed in the MND are not adequate to avoid or reduce impacts to biological resources to below a level of significance. To support the City in ensuring that Project impacts to biological resources are reduced to less than significant, CDFW recommends revising the mitigation measure for burrowing owl and adding mitigation measures for nesting birds, artificial nighttime lighting, and the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP).

Response 3:

The comment is noted, but is overbroad and does not identify what information about nesting birds, burrowing owl, and additional mitigation measures they believe is missing. Further discussion is provided below under each specific subject.

Comment 4:

1) Nesting Birds

It is the Project proponent's responsibility to comply with all applicable laws related to nesting birds and birds of prey. Fish and Game Code sections 3503, 3503.5, and 3513 afford protective measures as follows: section 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by Fish and Game Code or any regulation made pursuant thereto. Fish and Game Code section 3503.5 makes it unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by Fish and Game Code or any regulation adopted pursuant thereto. Fish and Game Code section 3513 makes it unlawful to take or possess any migratory nongame bird except as provided by rules and regulations adopted by the Secretary of the Interior under provisions of the Migratory Bird Treaty Act of 1918, as amended (16 U.S.C. § 703 et seq.).

With regard to the CVMSHCP, per its associated Implementing Agreement (IA) and Permits from CDFW and the U.S. Fish and Wildlife Service (the Wildlife Agencies), Take associated with Covered Activities will not be in violation of the Migratory Bird Treaty Act and will be consistent with Fish and Game Code sections 3503 and 3503.5; therefore, all Covered Activities within and outside Conservation Areas must undertake measures to avoid the take of individuals, nests, and eggs of nesting birds. The CVMSHCP includes a general conservation measure that applies to all bird species to avoid impacts to habitat for nesting birds during the nesting season (CVMSHCP Section 9.7). Per IA Section 13.2, the City is obligated to ensure the projects to which it confers Take Authorization under the CVMSHCP comply with all terms and requirements of the CVMSHCP, the Wildlife Agencies' Permits that create the CVMSHCP, and the IA, including compliance with laws that protect nesting birds.

Page 120 of the MND states that the “site has been previously graded and does not contain vegetation that could provide suitable habitat for nesting birds.” The MND lacks additional information on suitability of the Project site to support nesting birds (excluding burrowing owl). CDFW is concerned about the validity of the conclusion that the site does not provide suitable habitat for nesting birds. The Project site currently contains suitable habitat for ground-nesting birds such as killdeer (Charadrius vociferus), and shrubs have the potential to establish between grading and vegetation removal activities that can provide suitable habitat for nesting birds. CDFW recommends the MND is revised to include an accurate assessment of biological resources within the Project site as it relates to suitable habitat for nesting birds. The MND also lacks a mitigation measure for nesting birds. Given the suitability of the Project site to currently support ground-nesting birds and potentially support birds that nest in shrubs if vegetation establishes between maintenance activities, CDFW considers the MND to lack appropriate avoidance, minimization, and mitigation measures necessary to reduce impacts to nesting birds to a level less than significant.

CDFW also recommends the completion of nesting bird surveys regardless of the time of year to ensure that impacts to nesting birds and their nests and eggs are avoided. The timing of the nesting season varies greatly depending on several factors, such as bird species, weather conditions in any given year, and long-term climate changes (e.g., drought, warming, etc.). In response to warming, birds have been reported to breed earlier, thereby reducing temperatures that nests are exposed to during breeding and tracking shifts in availability of resources (Socolar et al., 20172). CDFW staff have observed that climate change conditions may result in the nesting bird season occurring earlier and later in the year than historical nesting season dates. CDFW recommends that disturbance of occupied nests of migratory birds and raptors within the Project site and surrounding area be avoided any time birds are nesting on-site.

To support City in reducing impacts to nesting birds to a level less than significant level, CDFW recommends that the City add Mitigation Measure BIO-[A] to a revised MND:

Mitigation Measure BIO-[A]: Nesting Birds

Regardless of the time of year, nesting bird surveys shall be performed by a qualified avian biologist no more than 3 days prior to all vegetation removal or ground-disturbing activities throughout all portions of the Project. Pre- construction surveys shall focus on both direct and indirect evidence of nesting, including nest locations and nesting behavior. The qualified avian biologist will make every effort to avoid potential nest predation as a result of survey and monitoring efforts. If active nests are found during the pre-construction nesting bird surveys, a qualified biologist shall establish an appropriate nest buffer to be marked on the ground. Nest buffers are species specific and shall be at least 300 feet for passerines and 500 feet for raptors. A smaller or larger buffer may be determined by the qualified biologist familiar with the nesting phenology of the nesting species and based on nest and buffer monitoring results. Construction activities may not occur inside the established buffers, which shall remain on-site until a qualified biologist determines the young have fledged or the nest is no longer active. Active nests and adequacy of the established buffer distance shall be monitored daily by the qualified biologist until the qualified biologist has determined the young have fledged or the

Project has been completed. The qualified biologist has the authority to stop work if nesting pairs exhibit signs of disturbance.

Pursuant to the CEQA Guidelines, section 15097(f), CDFW has prepared a draft mitigation monitoring and reporting program (MMRP) in Attachment 1 for recommended revisions to MM BIO-1 and CDFW-recommended MM BIO-[A], MM BIO-[B], and MM BIO-[C].

Response 4:

The comment is noted. Most onsite vegetation is limited to areas of ornamental landscaping on the southern parcel, as shown in Exhibit 2: *Project Location Map*, and will not be impacted by Project improvements, as shown in Exhibit 3: *Armtec Expansion Master Plan*, and Exhibits 4: and 5: *Phase 2 Preliminary Site Plan Northern Parcel/Southern Parcel*. For clarification, the portions of the project site where proposed improvements and ground disturbance will occur are graded, predominantly bare soil surfaces that have been leveled and compacted, with minimal vegetation consisting of sparse, low-density patches of short grass or herbaceous growth. Furthermore, the site is heavily disturbed by existing Armtec facility operations, including daily vehicle and personnel activity, heavy machinery use, truck deliveries, and existing noise and light pollution from onsite and nearby development, which collectively deter species from occupying the site.

Please refer to the supplemental site photographs provided in Response 2 to the USFWS Comment 2 at the beginning of this document.

In response to this comment and the USFWS comment letter received 5/21/25, the City has expanded the pre-construction survey protocols in MM BIO-1 to address concerns regarding potential impacts to nesting birds and added clarifying text regarding burrowing owl survey protocols. Please see USFWS Response 3.

The proposed revision to MM BIO-1 enhances the Project's environmental safeguards, addressing CDFW and USFWS concerns regarding nesting birds, while maintaining compliance with CEQA requirements. The inclusion of nesting bird surveys does not introduce new significant environmental impacts or substantially alter the project's scope, as it strengthens an existing mitigation measure to further minimize potential effects on nesting birds.

Comment 5:

2) Burrowing Owl

On October 10, 2024, the Fish and Game Commission determined that western burrowing owl warrants protection as a candidate species under the California Endangered Species Act (Fish & G. Code, § 2050 et seq.). During the candidacy period, western burrowing owl will be afforded the same protection as threatened and endangered species under CESA. If Project activities, including relocation, could result in take, appropriate CESA authorization (i.e., Incidental Take Permit under Fish and Game Code section 2081) should be obtained prior to commencement of Project activities.

Take of individual burrowing owls and their nests or eggs is defined by Fish and Game Code section 86, and prohibited by sections 3503, 3503.5, and 3513. Take is defined in Fish and Game Code section 86 as “hunt, pursue, catch, capture or kill, or attempt to hunt, pursue, catch, capture or kill.” Fish and Game Code sections 3503, 3503.5, and 3513 afford protective measures as follows: section 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by Fish and Game Code or any regulation made pursuant thereto. Fish and Game Code section 3503.5 makes it unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by Fish and Game Code or any regulation adopted pursuant thereto. Fish and Game Code section 3513 makes it unlawful to take or possess any migratory nongame bird except as provided by rules and regulations adopted by the Secretary of the Interior under provisions of the Migratory Bird Treaty Act of 1918, as amended (16 U.S.C. § 703 et seq.).

With regard to the CVMSHCP, the CDFW Natural Community Conservation Plan (NCCP) Permit #2835-2008-001-06 does not provide Take Authorization for burrowing owl individuals, nests, or eggs. To the contrary, section 3.5.6 of the NCCP Permit states burrowing owl “pairs or individuals will not be Taken” and reiterates that the “HCP/NCCP does not authorize Take of [burrowing owl] nests [or] eggs[.]” Therefore, throughout the CVMSHCP area—both within and without Conservation Areas— Permittees must ensure that activities occurring within their jurisdictions do not result in the take, possession, or destruction of burrowing owl individuals, nests, or eggs. Any activity occurring within the CVMSHCP area that results in the take of burrowing owl individuals, nests, or eggs would be unlawful and would not be a Covered Activity under the CVMSHCP. Per IA Section 13.2, the City is obligated to ensure the projects to which it confers Take Authorization under the CVMSHCP comply with all terms and requirements of the CVMSHCP, the Wildlife Agencies’ Permits that create the CVMSHCP, and the IA, including compliance with laws that protect burrowing owls.

Page 39 of the MND indicates “since the northern portion of the site is predominantly vacant and covered sparsely with vegetation, there is potential of burrowing owl to be present. The CVMSHCP and State law prohibit the take of burrowing owl. Should burrowing owl be found on the northern portion of the property prior to construction of Phase 2, a significant impact would occur. To assure that potential impacts are avoided, Mitigation Measure BIO.1 is provided below, which requires pre-construction surveys of the northern parcel to assure that the species is not present, and/or to protect the species should it be identified on-site.” CDFW concurs that the Project site contains suitable habitat for burrowing owl; however, the MND and its supporting documents lack additional information on burrowing owl presence, including the results of focused surveys for burrowing owl. Given the MND’s lack of findings from focused surveys for burrowing owl following the guidelines in the Staff Report on Burrowing Owl Mitigation3, the number and locations of suitable and occupied burrows within the Project site and surrounding areas are unknown. Given the lack of results from focused surveys following recommended protocols and the lack of survey reports, CDFW is limited in its ability to provide biological expertise to support the City in reducing impacts to burrowing owl to a level less than significant. CDFW recommends that the MND is revised to include the results of focused surveys, including survey reports, for burrowing owl within the Project site and surrounding area following the

guidelines outlined in Appendix D of the Staff Report on Burrowing Owl Mitigation; and to incorporate appropriate avoidance, minimization, and mitigation measures for burrowing owl.

The MND includes Mitigation Measure BIO-1, which indicates that a "qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys on the northern parcel of the Project site during Phase 2. The first shall occur between 14 and 30 days prior to ground disturbance, and the second shall occur within 24 hours of ground disturbance. If burrowing owls are detected, the project proponent shall consult with CDFW to determine what course of action is needed, such as the use of exclusion devices (if applicable) to discourage owls from using burrows that are believed to be in jeopardy of being impacted by implementation of the project." CDFW finds Mitigation Measure BIO-1 to be insufficient in scope and timing to reduce impacts to burrowing owl to a level less than significant. For example, Mitigation Measure BIO-1 lacks details on appropriate survey methods for burrowing owl and methods of avoiding impacts to burrowing owl if they are observed within the Project site and/or surrounding areas.

The MND also indicates that burrowing owl exclusion may be implemented by the Project. Burrowing owl relocation is considered a potentially significant impact under CEQA and should only be considered as a last resort, after all other options have been evaluated. Burrowing owl relocation (i.e., eviction/passive and active relocation) can result in take of burrowing owl individuals, nests, and eggs, which is not authorized under the CVMSHCP. Consultation with CDFW is warranted to determine if an Incidental Take Permit is necessary to avoid a violation of Fish and Game code section 2080. CDFW recommends that the City revise Mitigation Measure BIO-1 with the following additions in **bold** and removals in ~~strikethrough~~:

Mitigation Measure BIO-1: Burrowing Owl Focused and Pre-Construction Surveys

Suitable burrowing owl habitat has been confirmed on the site; therefore, focused burrowing owl surveys shall be conducted by a CVMSHCP-approved Acceptable Biologist in accordance with the Staff Report on Burrowing Owl Mitigation (2012 or most recent version) prior to vegetation removal or ground-disturbing activities for all phases of Project construction. If burrowing owls are detected during the focused surveys, the qualified biologist and Project proponent shall begin coordination with CDFW and USFWS immediately, and shall prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW for review and approval prior to commencing Project activities. The Burrowing Owl Plan shall describe proposed avoidance and monitoring actions, including measures necessary to avoid take of burrowing owl individuals, nests, and eggs. The Burrowing Owl Plan shall include the number and location of occupied burrow sites (occupied site means at least one burrowing owl or its sign has been observed within the last three years; may be indicated by owl sign including feathers, pellets, prey remains, eggshell fragments, or excrement at or near a burrow entrance or perch site), acres of burrowing owl habitat that will be impacted, details of site monitoring, and details on proposed buffers and other avoidance measures. If impacts to occupied burrowing owl habitat or burrow(s) or burrowing owl individuals, nests, or eggs cannot be avoided, appropriate CESA authorization (i.e., Incidental Take Permit under Fish and Game Code section 2081) should be obtained from CDFW prior to commencement of Project activities.

Preconstruction burrowing owl surveys shall be conducted no less than 14 days prior to the start of Project-related activities and within 24 hours prior to ground disturbance, in accordance with the Staff Report on Burrowing Owl Mitigation (2012 or most recent version). Preconstruction surveys should be repeated when there is a pause in construction of more than 30 days. Preconstruction surveys should be performed by a CVMSHCP-approved Acceptable Biologist following the recommendations and guidelines provided in the Staff Report on Burrowing Owl Mitigation. If the preconstruction surveys confirm occupied burrowing owl habitat, Project activities shall be immediately halted. The qualified biologist shall coordinate with CDFW and prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW and USFWS for review and approval prior to commencing Project activities. ~~A qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys on the northern parcel of the Project site during Phase 2. The first shall occur between 14 and 30 days prior to ground disturbance, and the second shall occur within 24 hours of ground disturbance. If burrowing owls are detected, the project proponent shall consult with CDFW to determine what course of action is needed, such as the use of exclusion devices (if applicable) to discourage owls from using burrows that are believed to be in jeopardy of being impacted by implementation of the project.~~

Response 5:

See USFWS Response 3 and 4, above, which revises MM BIO-1 to clarify that take avoidance pre-construction burrowing owl surveys shall follow the CDFW (2012 or current) Staff Report on Burrowing Owl Mitigation, and includes protocol for determining appropriate avoidance, minimization, and mitigation measures if burrowing owl is detected. MM BIO-1, as amended, sufficiently summarizes CDFWs requests made in Comment 5.

Comment 6:

3) Coachella Valley Multiple Species Habitat Conservation Plan Local Development Mitigation Fee

The Project is located within the CVMSHCP Plan Boundary and outside of a Conservation Area and contains habitat for Covered Species and/or conserved natural communities. Page 120 of the MND states that the "site is subject to payment of the Development Mitigation Fee to mitigate potential impacts to covered species under the CVMSHCP." Per CVMSHCP Section 5.2.1.1 and IA Sections 12.2.1 and 13.2, the City is obligated to impose a local development mitigation fee for new development within the Plan Area that impacts vacant land containing Habitat for Covered Species and/or conserved natural communities, including small vacant lots within urban areas that contain natural open space, and to transmit collected fees to CVCC at least quarterly and prior to impacts to Covered Species and their Habitats. To document the City's obligation to impose and transmit a Local Development Mitigation Fee for this Project, CDFW recommends the City add the following mitigation measure to a revised MND:

Mitigation Measure BIO-[B]: CVMSHCP Compliance
Prior to construction and issuance of any grading permit, the City shall ensure compliance with the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP) and its associated Implementing Agreement and shall ensure the collection of payment of the CVMSHCP Local Development Mitigation Fee and transfer of fees, at least quarterly and prior to impacts to Covered Species and their Habitats, to the Coachella Valley Conservation Commission.

Response 6:

The comment is noted. However, as allowed under CEQA, requirements of law are not mitigation measures, and are assumed to be implemented. Because the payment of the CVMSHCP fee is a requirement by the City, as stated in the Initial Study, its payment will reduce impacts to less than significant levels, and no mitigation measure is required.

Comment 7:

4) Artificial Nighttime Lighting

The Project site is located adjacent to vacant areas within the larger Armtec facility that provide suitable burrowing, nesting, roosting, foraging, and refugia habitat for birds, migratory birds that fly at night, and other nocturnal and crepuscular wildlife. The Project proposes “light and glare from interior and exterior building lighting, safety and security lighting” (page 24 of the MND). The Project’s proposed artificial nighttime lighting has the potential to significantly and adversely affect biological resources using these vacant areas within the larger Armtec facility. Artificial lighting alters ecological processes including, but not limited to, the temporal niches of species; the repair and recovery of physiological function; the measurement of time through interference with the detection of circadian and lunar and seasonal cycles; the detection of resources and natural enemies; and navigation. Many species use photoperiod cues for communication (e.g., bird song5), determining when to begin foraging, behavioral thermoregulation, and migration. Phototaxis, a phenomenon that results in attraction and movement towards light, can disorient, entrap, and temporarily blind wildlife species that experience it.

Page 24 of the MND indicates that the Project “will abide by the city’s standards prohibiting reflective surfaces and spillage of light onto adjacent properties.” CDFW considers these plans to minimize the impacts of artificial nighttime lighting to be insufficient in slope to reduce the impacts of lighting to level less than significant. To support the City in avoiding or reducing impacts of artificial nighttime lighting on biological resources to less than significant, CDFW recommends the City add the following mitigation measure to a revised MND:

Mitigation Measure BIO-[C]: Artificial Nighttime Lighting

Throughout construction and the lifetime operations of the Project, the City and Project proponent shall eliminate all nonessential lighting throughout the Project area and avoid or limit the use of artificial light at night during the hours of dawn and dusk when many wildlife species are most active. The City and Project proponent shall ensure that all

lighting for the Project is fully shielded, cast downward and directed away from surrounding open-space and agricultural areas, reduced in intensity to the greatest extent possible, and does not result in lighting trespass including glare into surrounding areas or upward into the night sky (see the International Dark-Sky Association standards at http://darksky.org/). The City and Project proponent shall ensure use of LED lighting with a correlated color temperature of 3,000 Kelvins or less, proper disposal of hazardous waste, and recycling of lighting that contains toxic compounds with a qualified recycler.

Response 7:

The commenter's opinion is noted, but provides no substantial evidence that the Project will result in substantial lighting that exceeds current lighting levels, or that the lighting proposed for the Project will impact biological resources. The Project is the expansion of the existing Armtec facilities. Lighting conditions in this area are already affected by existing Armtec facilities, including security lighting and vehicles accessing the site, traffic on adjacent streets and surrounding residential development. As stated in the ISMND (pg 24) "[l]ighting and glare levels are not expected to exceed typical levels that currently exist on-site and within the surrounding urban environment and will be regulated by City lighting standards." The addition of Project lighting on the existing Armtec site will not change the lighting environment for biological resources, and no mitigation is required.

Comment 8:

5) Landscaping

The MND indicates that the Project's landscaping will include "median and landscaping improvements" associated with the widening of Tyler Street (page 5), and "97,000 SF of landscaping, on- and off-site" (page 31). No additional details are provided on landscaping plans in the MND. CDFW recommends that the MND include recommendations regarding landscaping from Section 4.0 of the CVMSHCP "Table 4-112: Coachella Valley Native Plants Recommended for Landscaping" (pp. 4-180 to 4- 182; https://cvmshcp.org/plan-documents/). CDFW also recommends incorporation of water-wise concepts in any Project landscape design plans. In particular, CDFW recommends xeriscaping with locally native California species and installing water- efficient and targeted irrigation systems (such as drip irrigation). Native plants support butterflies, birds, reptiles, amphibians, small mammals, bees, and other pollinators that evolved with those plants. More information on native plants suitable for the Project location and nearby nurseries is available at Calscape: https://calscape.org/. Local water agencies/cities and resource conservation cities in your area may be able to provide information on plant nurseries that carry locally native species, and some facilities display drought-tolerant locally native species demonstration gardens. Information on drought-tolerant landscaping and water-efficient irrigation systems is available on California's Save our Water website: https://saveourwater.com/.

Response 8:

The comment is noted. The Project is required to comply with both the City's water efficient landscaping standards and CWA's water conservation requirements in landscaping, which include water budgeting for landscaped areas. The Project will therefore be regulated to assure low water use in landscaping, as clearly stated in the Initial Study.

Comment 9:

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e).) Accordingly, please report any special-status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDB). The CNNDB field survey form can be filled out and submitted online at the following link: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The types of information reported to CNDDB can be found at the following link: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

ENVIRONMENTAL DOCUMENT FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the environmental document filing fee is required in order for the underlying Project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.)

CONCLUSION

CDFW appreciates the opportunity to comment on the MND to assist the City in identifying and mitigating Project impacts to biological resources. CDFW concludes that the MND does not adequately identify or mitigate the Project's significant, or potentially significant, impacts to biological resources. CDFW recommends that revised and additional mitigation measures and analysis as described in this letter be added to a revised MND.

CDFW personnel are available for consultation regarding biological resources and strategies to avoid and minimize impacts. Questions regarding this letter or further coordination should be directed to Jacob Skaggs, Senior Environmental Scientist Specialist, at jacob.skaggs@wildlife.ca.gov.

Response 9:

The City will continue to assure that biologists report their findings when studies are prepared, and that CDFW fees are paid when necessary. The commenter's opinions are noted, and as described above, MM BIO-1 has been amended to address CDFW's concerns about burrowing owl and nesting birds. The City thanks CDFW for their participation in this process.

Imperial Irrigation District (IID)
Letter dated May 19, 2025
Comment 1:

On April 23, 2025, the Imperial Irrigation District received from the City of Coachella Development Services Department, the Notice of Intent to adopt a Mitigated Negative Declaration for the Armtec Expansion Master Plan; Environmental Assessment 25-01, Conditional Use Permit 389, Architectural Review 25-02. The project proposes 37,800 sq. ft. in new storage facilities, 3,000 sq. ft. in new research and development/small production facilities, 15,000 sq. ft. in new production facilities, a ±73,200 sq. ft. truck staging area, and three retention basins. The project also includes off-site improvements adjacent to the site, including the widening and improvements of Tyler Street. The proposed project is Phase 2 and Phase 3 of the three-phased Armtec Expansion Master Plan. Phase 1 of the Master Plan, which is not part of the project, was the construction of a ±33,900 sq. ft. ground-mounted solar grid and seven solar parking canopies on the northern parcel of the existing 52.65-acre Armtec Defense Technologies (Armtec) site located at 85901 Avenue 53 in Coachella, CA (APNs 778-420-013, 778-390-008).

IID has reviewed the project information has the following comments:

1. Based on the preliminary information provided to the IID, the district can accommodate the proposed project by the addition of new backbone line extensions, upgrades and reconfigurations to create ties with adjacent circuits in the area and extend electrical service to the proposed development. Based on current 2025 IID rates, a high-level cost estimate of these improvements amounts to $355,000 (subject to change without notice, including for adjustments in costs of materials, supply or labor). It is important to note, new backbone lines extensions, upgrades or reconfigurations to create ties with adjacent circuits in the area with existing IID facilities will be required, all of which are at the expense of the Developer. The conditions of service could change as a result of the additional studies.

2. It is important to note that a feasibility study will be developed once a customer project application and approved plans and loading calculations are received. This detailed information will allow IID to perform an accurate assessment and provide a full report of any potential impacts and mitigation measures as well as costs. The conditions of service could change as a result of the additional studies. The cost of any technical assessment shall be borne by the applicant.

3. IID will not begin any engineering studies to provide electrical service to the project until the applicant submits a customer project application (available for download at www.iid.com/home/showpublisheddocument/12923/638440444053700000 and detailed loading information, panel sizes, project schedule and estimated in-service date. Applicant shall bear all costs associated with additional facilities deemed necessary to provide electrical service to the project, including but not limited to distribution feeder/backbone extensions, distribution overhead and/or underground line extensions, load balancing as well as any other related upgrades and applicable permits, zoning changes, landscaping (if required by the City) and rights-of-way and easements.

4. The district's ability to provide service from existing infrastructure is based on current available capacity, which may be impacted by future development in the area. IID is unable to hold system capacity to the detriment of other customers.

5. Underground infrastructure of any additional facilities needed such as double conduit/vault systems that include trenching, conduits, pull boxes, switch boxes and pads shall be installed at the applicant's expense following IID approved plans within the public utility easement or dedicated easement, if applicable. Physical field installation of underground infrastructures should be verified and approved by an IID inspector prior to cable installation as per IID Developer's Guide (available at the district website https://www.iid.com/home/showdocument?id=14229).

6. IID Regulations governing line extensions can be found at:
   No. 2 (http://www.iid.com/home/showdocument?id=2540),
   No. 13 (http://www.iid.com/home/showdocument?id=2553),
   No. 15 (http://www.iid.com/home/showdocument?id=2555),

7. For additional information regarding electrical service for the project, the applicant should be advised to contact the IID Energy - La Quinta Division Customer Operations, 81-600 Avenue 58 La Quinta, CA 92253, at (760) 398-5841 and speak with the project development planner assigned to the area.

8. It is important to note that IID's policy is to extend its electrical facilities only to those project that have obtained the approval of a city or county planning commission and such other governmental authority or decision-making body having jurisdiction over said developments.

9. The project proponent will be required to provide and bear all costs associated with acquisition of land, rights of way, easements, and infrastructure relocations and realignments deemed necessary to accommodate the project. Any street or road improvements imposed by the local governing authority shall also be at the project

proponent cost.

10. The applicant will be required to provide rights of ways and easements for any proposed power line extensions and/or any other infrastructure needed to serve a project as well as the necessary access to allow for continued operation and maintenance of any IID facilities located on adjoining properties where no public access exists.

11. Substations and switchyards shall be located on property that will transferred to IID in fee simple ownership with legal access.

12. Public utility easements over all private and public roads and additional ten (10) feet in width on both side of the private and public roads shall be dedicated to IID for the construction, operation, and maintenance of its electrical infrastructure.

13. Any construction or operation on IID property or within its existing and proposed right of way or easements including but not limited to: surface improvements such as proposed new streets, driveways, parking lots, landscape; and all water, sewer, storm water, or any other above ground or underground utilities; will require an encroachment permit, or encroachment agreement (depending on the circumstances). A copy of the IID encroachment permit application and instructions for its completion are available at https://www.iid.com/about-iid/department-directory/real-estate. The IID Real Estate Section should be contacted at (760) 339-9239 for additional information regarding encroachment permits or agreements.

Response 1:

Comment noted. The comment provides a description of the Project and relates to design and other IID processes and does not pertain to CEQA. No further response is required.

Comment 2:

14. Any new, relocated, modified or reconstructed IID facilities required for and by the project (which can include but is not limited to electrical utility substations, electrical transmission and/or distribution lines, ancillary facilities associated with the conveyance of energy service; the acquisition and dedication of real property, rights of way and/or easements for the siting and construction of electrical utility substations, electrical transmission and/or distribution lines and ancillary facilities associated with the conveyance of energy service, etc.) need to be included as part of the project's California Environmental Quality Act (CEQA) and/or National Environmental Policy Act (NEPA documentation, environmental impact analysis and mitigation. Failure to do so will result in postponement of any construction and/or modification of IID facilities until such time as the environmental documentation is amended and environmental impacts are fully mitigated. **Any mitigation necessary as a result of the construction, relocation and/or upgrade of IID facilities is the responsibility of the project proponent.**

15. Dividing a project into two or more pieces and evaluating each piece in a separate environmental document (Piecemealing or Segmenting), rather than evaluating the whole of the project in one environmental document, is explicitly forbidden by CEQA, because dividing a project into a number of pieces would allow a Lead Agency to minimize the apparent environmental impacts of a project by evaluating individual pieces separately, each of which may have a less-than-significant impact on the environment, but which together may result in a significant impact. Segmenting a project may also hinder developing comprehensive mitigation strategies. In general, if an activity or facility is necessary for the operation of a project, or necessary to achieve the project objectives, or a reasonably foreseeable consequence of approving the project, then it should be considered an integral project component that should be analyzed within the environmental analysis. The project description should include all project components, including those that will have to be approved by responsible agencies. The State CEQA Guidelines define a project under CEQA as "the whole of the action" that may result either directly or indirectly in physical changes to the environment. This broad definition is intended to provide the maximum protection of the environment. CEQA case law has established general principles on project segmentation for different project types. For a project requiring construction of offsite infrastructure, the offsite infrastructure must be included in the project description. *San Joaquin Raptor/Wildlife Rescue Center v. County of Stanislaus* (1994) 27 Cal.App. 4th 713.

16. When the project goes through the CEQA compliance process, it is important to bear in mind that to address the project impacts to the electrical utility (i.e., the IID electrical grid), considered under the environmental factor "Utilities and Services" of the Environmental Checklist/Initial Study, and determine if the project would require or result in the relocation or construction of new or expanded electric power facilities, the construction or relocation of which could cause significant environmental effects; a circuit study/distribution impact study, facility study, and/or system impact study must be performed.

Response 2:

The ISMND complies with CEQA in that it considers the “whole action,” both Phase 2 and Phase 3 of the Armtec Master Plan, and includes description of electricity services and infrastructure in the Utilities and Service Systems and Energy sections, including the required connections to nearby existing infrastructure. Project specific utility improvement plans will be reviewed and approved by the City in conjunction with the ISMND.

Comment 3:

17. Applicant should be advised that landscaping can be dangerous if items are planted too close to IID's electrical equipment. In the event of an outage, or equipment failure, it is vital that IID personnel have immediate and safe access to its equipment to make the needed repairs. For public safety, and that of the electrical workers, it is important to

adhere to standards that limit landscaping around electrical facilities. IID landscaping guidelines are available at with https://www.iid.com/power/vegetation-management

Should you have any questions, please do not hesitate to contact me at (760) 482-3609 or at dvargas@iid.com. Thank you for the opportunity to comment on this matter.

Response 3:

The comment is noted but does not pertain to CEQA. No further response is required. The City thanks IID for participating in this process.

APPENDIX A

COMMENT LETTERS

United States Department of the Interior
U.S. FISH AND WILDLIFE SERVICE
Ecological Services
Palm Springs Fish and Wildlife Office
777 East Tahquitz Canyon Way, Suite 208
Palm Springs, California 92262

In Reply Refer to:
2025-0098153-CEQA-TA-ERV

May 21, 2025
Sent Electronically

Adrian Moreno
Associate Planner
City of Coachella
53990 Enterprise Way
Coachella, California 92236

Subject: Draft Initial Study and Intent to Adopt Proposed Mitigated Negative Declaration for the Armtec Expansion Master Plan, City of Coachella, Riverside County, California

Dear Adrian Moreno:

This letter is in response to the notice dated April 22, 2025, soliciting comments on the draft Initial Study and Intent to Adopt Proposed Mitigated Negative Declaration (ISMND) for the Armtec Expansion Master Plan (Project), located in the City of Coachella, Riverside County, California. The Project applicant, Armtec Defense Technologies proposes to construct new storage, research and development, and production facilities totaling to 37,800 square feet (sf), a 73,200-sf staging area, three retention basins, and off-site improvements adjacent to the Project site.

We offer the following comments on the draft ISMND as they relate to potential impacts on public trust resources. The primary concern and mandate of the U.S. Fish and Wildlife Service (Service) is the conservation, protection, and enhancement of fish and wildlife resources and their habitats for the continuing benefit of the American people. The Service has legal responsibility for the welfare of migratory birds, anadromous fish, and threatened or endangered animals and plants listed under the Endangered Species Act of 1973 (Act), as amended (16 U.S.C. 1531 *et seq*.). The comments provided herein are based on the information provided in the draft ISMND and our knowledge of sensitive and declining fish and wildlife resources.

The Project site is located within the boundary of the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP), and the City of Coachella (City) is a Local Permittee to the CVMSHCP. The Project site is adjacent to CVMSHCP-modeled habitat for the following Covered Species: crissal thrasher (*Toxostoma crissale*), least Bell's vireo (*Vireo bellii pusillus*), summer tanager (*Piranga rubra cooperi*), yellow-breasted chat (*Icteria virens*), and yellow warbler (*Dendroica petechia brewsteri*). The Project applicant completed Phase 1 of the Project which was the construction of a solar grid in early 2025. Phase 2 and Phase 3 of the Armtec Expansion Master Plan are the subject of this draft ISMND. As stated above, Phase 2 includes construction of a 15,000-sf storage warehouse, a 73,000-sf truck staging area, a 3,000-sf research and development facility, and three retention basins, totaling 75,650 sf. Phase 3 includes the

construction of a 15,000-sf production facility, a 15,000-sf storage warehouse, two 900-sf storage structures, and an expansion of an existing storage warehouse by 6,000 sf. The proposed Project also includes off-site improvements, including improving and widening Tyler Street.

The draft ISMND states that flora and fauna were observed during the field reconnaissance of the Project site on June 6, 2024, as part of the Archaeological and Paleontological Resources Assessment. However, the draft ISMND does not indicate completion of additional biological field surveys or include a biological resources assessment. A biological resources assessment is necessary to accurately assess the Project's potential impacts to fish and wildlife resources. Please revise the draft ISMND to include a biological resources assessment, including impacts to Covered Species (identified above) under the CVMSHCP and their habitat.

Nesting Birds

The Migratory Bird Treaty Act (MBTA) of 1918 (16 U.S.C. § 703 *et seq*) prohibits take of individuals, parts, nests, or eggs of migratory birds. "Take" is defined in the Service's general wildlife regulations as "to pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to pursue, hunt, shoot, wound, kill, trap, capture, or collect (50 C.F.R. § 10.12)."

The Service's section 10(a)(1)(B) Permit associated with the CVMSHCP constitutes a Special Purpose Permit under the MBTA for the Take of Covered Species. However, only Take of migratory bird habitat is provided, and the Permit states that "[a]ny such Take will not be in violation of the MBTA." Therefore, Take of individuals, parts, nests, or eggs, as described in the MBTA is not authorized in the Special Purpose Permit, and any Take of migratory bird habitat associated with Covered Activities will not be in violation of the MBTA.

The draft ISMND states that the Project site has low potential to provide nesting opportunities due to the disturbed nature of the vegetation and soils and concludes that the proposed Project's potential impacts to migratory bird species are negligible. Although the Project site is disturbed, the presence of sparse vegetation, particularly cover of shrubs, is suitable habitat for ground-nesting birds. Furthermore, bare ground or sparse vegetation cover constitutes suitable nesting habitat for some ground-nesting birds. The proposed ground disturbance may consequently result in unauthorized Take of migratory birds without implementation of the necessary avoidance, minimization, and mitigation measures. Additionally, the draft ISMND does not indicate completion of focused nesting bird surveys. Focused nesting bird surveys are necessary to accurately confirm nesting bird presence or absence on the Project site. A complete assessment of the biological resources within the Project area is required to assess the Project's potential impacts to migratory birds. Please revise the draft ISMND to include a complete assessment of the Project's potential impacts to nesting bird habitat, including completion of nesting bird surveys during the appropriate time of year, to determine the extent of nesting birds on the Project site.

Burrowing Owl

The Western burrowing owl (*Athene cunicularia hypugaea*; burrowing owl) is protected under the MBTA and is a Covered Species under the CVMSHCP. However, the Service's section 10(a)(1)(B) Permit for the CVMSHCP does not provide Take for burrowing owl individuals,

nests, or eggs. Within the CVMSHCP boundary, as a Permittee, the City must ensure their activities comply with MBTA and implement the appropriate avoidance, minimization, and mitigation measures to avoid Take of burrowing owl individuals, nests, or eggs.

The draft ISMND states that the northern portion of the Project site has potential for burrowing owl presence due to its sparse vegetation. However, the draft ISMND does not indicate that focused burrowing owl surveys were completed. Pursuant to the California Department of Fish and Wildlife's (CDFW) Staff Report on Burrowing Owl Mitigation (2012 or most recent version), for both breeding and non-breeding season surveys, a minimum of four survey visits are required to accurately assess a site for burrowing owl presence. Given the lack of multiple, focused burrowing owl surveys, the total number of burrowing owl individuals or suitable and occupied burrows within the Project area is unknown. Please revise the draft ISMND to include an accurate assessment of the Project's potential impacts to burrowing owl, including focused survey results following the protocols outlined in the 2012 Staff Report on Burrowing Owl Mitigation.

Additionally, Mitigation Measure (MM) BIO-1 requires take avoidance pre-construction burrowing owl surveys and subsequent consultation with CDFW should burrowing owl presence be confirmed. MM-BIO-1 lacks further detail regarding the survey methodology for the pre-construction surveys. We recommend that MM-BIO-1 be revised to specify that the pre-construction surveys shall be completed in accordance with the Staff Report on Burrowing Owl Mitigation. In addition, we recommend that MM-BIO-1 be revised to require that, if the pre-construction surveys confirm burrowing owl presence, the Project applicant shall submit a Burrowing Owl Plan that includes avoidance, minimization, and mitigation measures to the Service and CDFW—collectively the Wildlife Agencies—for review and approval prior to beginning Project activities. The Project proponent shall coordinate with the Wildlife Agencies on the appropriate avoidance, minimization, and mitigation measures to be included in the Burrowing Owl Plan. If avoidance of burrowing owl is not possible, coordination with the Wildlife Agencies for a burrowing owl relocation plan is required pursuant Section 4.4 and Section 8.5.2 of the CVMSHCP.

We appreciate the opportunity to provide comments on the draft ISMND. If you have any questions regarding these comments, please contact Lory Salazar-Velasquez.[1]

Sincerely,

for Brian Croft
Field Supervisor

[1] lory_salazar-velasquez@fws.gov.

State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Inland Deserts Region
3602 Inland Empire Boulevard, Suite C-220
Ontario, CA 91764
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director

May 22, 2025
Sent via email

Adrian Moreno
Associate Planner
City of Coachella
53990 Enterprise Way
Coachella, CA 92236
amoreno@coachella.org

Armtec Expansion Master Plan Project (PROJECT)
Mitigated Negative Declaration (MND)
SCH# 2025041097

Dear Adrian Moreno:

The California Department of Fish and Wildlife (CDFW) received a Notice of Intent to Adopt a Mitigated Negative Declaration from the City of Coachella (City) for the Project pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines.[1]

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

CDFW ROLE

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State. (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a).) CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species. (*Id.*, § 1802.) Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on Projects and related

[1]CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

activities that have the potential to adversely affect fish and wildlife resources.

CDFW is also submitting comments as a **Responsible Agency** under CEQA. (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381.) CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority. (Fish & G. Code, § 1600 et seq.) Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), the Project proponent may seek related take authorization as provided by the Fish and Game Code.

PROJECT DESCRIPTION SUMMARY

Proponent: Armtec Defense Products Co.

Objective: Armtec's existing industrial and manufacturing operations currently are located on the southern parcel, and the northern parcel currently contains a ±33,900 sf ground mounted solar grid located on the eastern half of the parcel. The proposed Project is Phase 2 and Phase 3 of the three-phase Armtec Expansion Master Plan. The Project proposes the construction of a new 15,000 sf storage warehouse, a ±73,200 truck staging area and 9,900 sf retention basin on the northern parcel, and a new 3,000 SF research and development (R&D) and production facility and two retention basins totaling 65,750 sf on the southern parcel. Phase 3 includes the construction of a new 15,000 SF production facility, a new 15,000 sf storage warehouse, two new 900 sf storage structures, and a 6,000 sf expansion of an existing storage warehouse, all located on the southern parcel.

The Project proposes off-site improvements adjacent to the site, including the widening and improvements of Tyler Street. The Project proposes new interior and exterior building lighting and safety and security lighting. The Project also proposes 97,000 SF of landscaping, on- and off-site, including landscaping around new buildings and within offsite street improvements.

Location: The Project is located at 85901 Avenue 53 in City of Coachella, Riverside County, California. The Project site consists of two parcels totaling approximately 52.65 acres in size, identified by assessor's parcel numbers (APNs) 778-420-013 (14.96 acres) and 778-390-008 (37.69 acres).

Timeframe: The MND proposes a construction timeframe from June 2025 through December 2026 for Phase 2. The timing for construction of Phase 3 is currently undetermined.

COMMENTS AND RECOMMENDATIONS

CDFW has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (i.e., biological resources). CDFW offers the comments and recommendations below to assist the City in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. The MND has not adequately identified and disclosed the Project's impacts (i.e., direct, indirect, and cumulative) on biological resources and whether those impacts are reduced to less than significant.

CDFW's comments and recommendations on the MND are explained in greater detail below and summarized here. CDFW is concerned that the MND does not adequately identify or mitigate the Project's significant, or potentially significant, impacts to biological resources. CDFW requests that additional information and analyses be added to a revised MND, along with avoidance, minimization, and mitigation measures that avoid or reduce impacts to a level less than significant.

Existing Environmental Setting

Compliance with CEQA is predicated on a complete and accurate description of the environmental setting that may be affected by the proposed Project. CDFW is concerned that the assessment of the existing environmental setting has not been adequately analyzed in the MND. CDFW is concerned that without a complete and accurate description of the existing environmental setting, the MND may provide an incomplete analysis of Project-related environmental impacts.

The MND lacks a complete and appropriate assessment of biological resources within the Project site and surrounding area specifically as it relates burrowing owl (*Athene cunicularia*) and nesting birds, as discussed in the Nesting Bird and Burrowing Owl sections below. A complete and accurate assessment of the environmental setting and Project-related impacts to biological resources is needed to both identify appropriate avoidance, minimization, and mitigation measures and demonstrate that these measures reduce Project impacts to less than significant.

Mitigation Measures

CEQA requires that an MND include mitigation measures to avoid or reduce significant impacts. CDFW is concerned that the mitigation measures proposed in the MND are not adequate to avoid or reduce impacts to biological resources to below a level of significance. To support the City in ensuring that Project impacts to biological resources are reduced to less than significant, CDFW recommends revising the mitigation measure for burrowing owl and adding mitigation measures for nesting birds, artificial nighttime lighting, and the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP).

1) Nesting Birds

It is the Project proponent's responsibility to comply with all applicable laws related to nesting birds and birds of prey. Fish and Game Code sections 3503, 3503.5, and 3513 afford protective measures as follows: section 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by Fish and Game Code or any regulation made pursuant thereto. Fish and Game Code section 3503.5 makes it unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by Fish and Game Code or any regulation adopted pursuant thereto. Fish and Game Code section 3513 makes it unlawful to take or possess any migratory nongame bird except as provided by rules and regulations adopted by the Secretary of the Interior under provisions of the Migratory Bird Treaty Act of 1918, as amended (16 U.S.C. § 703 et seq.).

With regard to the CVMSHCP, per its associated Implementing Agreement (IA) and Permits from CDFW and the U.S. Fish and Wildlife Service (the Wildlife Agencies), Take associated with Covered Activities will not be in violation of the Migratory Bird Treaty Act and will be consistent with Fish and Game Code sections 3503 and 3503.5; therefore, all Covered Activities within and outside Conservation Areas must undertake measures to avoid the take of individuals, nests, and eggs of nesting birds. The CVMSHCP includes a general conservation measure that applies to all bird species to avoid impacts to habitat for nesting birds during the nesting season (CVMSHCP Section 9.7). Per IA Section 13.2, the City is obligated to ensure the projects to which it confers Take Authorization under the CVMSHCP comply with all terms and requirements of the CVMSHCP, the Wildlife Agencies' Permits that create the CVMSHCP, and the IA, including compliance with laws that protect nesting birds.

Page 120 of the MND states that the "site has been previously graded and does not contain vegetation that could provide suitable habitat for nesting birds." The MND lacks additional information on suitability of the Project site to support nesting birds (excluding burrowing owl). CDFW is concerned about the validity of the conclusion that the site does not provide suitable habitat for nesting birds. The Project site currently contains suitable habitat for ground-nesting birds such as killdeer (*Charadrius vociferus*), and shrubs have the potential to establish between grading and vegetation removal activities that can provide suitable habitat for nesting birds. CDFW recommends the MND is revised to include an accurate assessment of biological resources within the Project site as it relates to suitable habitat for nesting birds. The MND also lacks a mitigation measure for nesting birds. Given the suitability of the Project site to currently support ground-nesting birds and potentially support birds that nest in shrubs if vegetation establishes between maintenance activities, CDFW considers the MND to lack appropriate avoidance, minimization, and mitigation measures necessary to reduce impacts to nesting birds to a level less than significant.

CDFW also recommends the completion of nesting bird surveys *regardless* of the time of year to ensure that impacts to nesting birds and their nests and eggs are avoided. The timing of the nesting season varies greatly depending on several factors, such as

bird species, weather conditions in any given year, and long-term climate changes (e.g., drought, warming, etc.). In response to warming, birds have been reported to breed earlier, thereby reducing temperatures that nests are exposed to during breeding and tracking shifts in availability of resources (Socolar et al., 2017[2]). CDFW staff have observed that climate change conditions may result in the nesting bird season occurring earlier and later in the year than historical nesting season dates. CDFW recommends that disturbance of occupied nests of migratory birds and raptors within the Project site and surrounding area be avoided **any time birds are nesting on-site.**

To support City in reducing impacts to nesting birds to a level less than significant level, CDFW recommends that the City add Mitigation Measure BIO-[A] to a revised MND:

Mitigation Measure BIO-[A]: Nesting Birds

Regardless of the time of year, nesting bird surveys shall be performed by a qualified avian biologist no more than 3 days prior to all vegetation removal or ground-disturbing activities throughout all portions of the Project. Pre-construction surveys shall focus on both direct and indirect evidence of nesting, including nest locations and nesting behavior. The qualified avian biologist will make every effort to avoid potential nest predation as a result of survey and monitoring efforts. If active nests are found during the pre-construction nesting bird surveys, a qualified biologist shall establish an appropriate nest buffer to be marked on the ground. Nest buffers are species specific and shall be at least 300 feet for passerines and 500 feet for raptors. A smaller or larger buffer may be determined by the qualified biologist familiar with the nesting phenology of the nesting species and based on nest and buffer monitoring results. Construction activities may not occur inside the established buffers, which shall remain on-site until a qualified biologist determines the young have fledged or the nest is no longer active. Active nests and adequacy of the established buffer distance shall be monitored daily by the qualified biologist until the qualified biologist has determined the young have fledged or the Project has been completed. The qualified biologist has the authority to stop work if nesting pairs exhibit signs of disturbance.

Pursuant to the CEQA Guidelines, section 15097(f), CDFW has prepared a draft mitigation monitoring and reporting program (MMRP) in Attachment 1 for recommended revisions to MM BIO-1 and CDFW-recommended MM BIO-[A], MM BIO-[B], and MM BIO-[C].

[2] Socolar JB, Epanchin PN, Beissinger SR and Tingley MW (2017). Phenological shifts conserve thermal niches. Proceedings of the National Academy of Sciences 114(49): 12976-12981.

2) Burrowing Owl

On October 10, 2024, the Fish and Game Commission determined that western burrowing owl warrants protection as a candidate species under the California Endangered Species Act (Fish & G. Code, § 2050 et seq.). During the candidacy period, western burrowing owl will be afforded the same protection as threatened and endangered species under CESA. If Project activities, including relocation, could result in take, appropriate CESA authorization (i.e., Incidental Take Permit under Fish and Game Code section 2081) should be obtained prior to commencement of Project activities.

Take of individual burrowing owls and their nests or eggs is defined by Fish and Game Code section 86, and prohibited by sections 3503, 3503.5, and 3513. Take is defined in Fish and Game Code section 86 as "hunt, pursue, catch, capture or kill, or attempt to hunt, pursue, catch, capture or kill." Fish and Game Code sections 3503, 3503.5, and 3513 afford protective measures as follows: section 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by Fish and Game Code or any regulation made pursuant thereto. Fish and Game Code section 3503.5 makes it unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by Fish and Game Code or any regulation adopted pursuant thereto. Fish and Game Code section 3513 makes it unlawful to take or possess any migratory nongame bird except as provided by rules and regulations adopted by the Secretary of the Interior under provisions of the Migratory Bird Treaty Act of 1918, as amended (16 U.S.C. § 703 et seq.).

With regard to the CVMSHCP, the CDFW Natural Community Conservation Plan (NCCP) Permit #2835-2008-001-06 does not provide Take Authorization for burrowing owl individuals, nests, or eggs. To the contrary, section 3.5.6 of the NCCP Permit states burrowing owl "pairs or individuals will not be Taken" and reiterates that the "HCP/NCCP does not authorize Take of [burrowing owl] nests [or] eggs[.]" Therefore, throughout the CVMSHCP area—both within and without Conservation Areas—Permittees must ensure that activities occurring within their jurisdictions do not result in the take, possession, or destruction of burrowing owl individuals, nests, or eggs. Any activity occurring within the CVMSHCP area that results in the take of burrowing owl individuals, nests, or eggs would be unlawful and would not be a Covered Activity under the CVMSHCP. Per IA Section 13.2, the City is obligated to ensure the projects to which it confers Take Authorization under the CVMSHCP comply with all terms and requirements of the CVMSHCP, the Wildlife Agencies' Permits that create the CVMSHCP, and the IA, including compliance with laws that protect burrowing owls.

Page 39 of the MND indicates "since the northern portion of the site is predominantly vacant and covered sparsely with vegetation, there is potential of burrowing owl to be present. The CVMSHCP and State law prohibit the take of burrowing owl. Should

burrowing owl be found on the northern portion of the property prior to construction of Phase 2, a significant impact would occur. To assure that potential impacts are avoided, Mitigation Measure BIO.1 is provided below, which requires pre-construction surveys of the northern parcel to assure that the species is not present, and/or to protect the species should it be identified on-site." CDFW concurs that the Project site contains suitable habitat for burrowing owl; however, the MND and its supporting documents lack additional information on burrowing owl presence, including the results of focused surveys for burrowing owl. Given the MND's lack of findings from focused surveys for burrowing owl following the guidelines in the *Staff Report on Burrowing Owl Mitigation*[3], the number and locations of suitable and occupied burrows within the Project site and surrounding areas are unknown. Given the lack of results from focused surveys following recommended protocols and the lack of survey reports, CDFW is limited in its ability to provide biological expertise to support the City in reducing impacts to burrowing owl to a level less than significant. CDFW recommends that the MND is revised to include the results of focused surveys, including survey reports, for burrowing owl within the Project site and surrounding area following the guidelines outlined in Appendix D of the *Staff Report on Burrowing Owl Mitigation*; and to incorporate appropriate avoidance, minimization, and mitigation measures for burrowing owl.

The MND includes Mitigation Measure BIO-1, which indicates that a "qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys on the northern parcel of the Project site during Phase 2. The first shall occur between 14 and 30 days prior to ground disturbance, and the second shall occur within 24 hours of ground disturbance. If burrowing owls are detected, the project proponent shall consult with CDFW to determine what course of action is needed, such as the use of exclusion devices (if applicable) to discourage owls from using burrows that are believed to be in jeopardy of being impacted by implementation of the project." CDFW finds Mitigation Measure BIO-1 to be insufficient in scope and timing to reduce impacts to burrowing owl to a level less than significant. For example, Mitigation Measure BIO-1 lacks details on appropriate survey methods for burrowing owl and methods of avoiding impacts to burrowing owl if they are observed within the Project site and/or surrounding areas.

The MND also indicates that burrowing owl exclusion may be implemented by the Project. Burrowing owl relocation is considered a potentially significant impact under CEQA and should only be considered as a last resort, after all other options have been evaluated. Burrowing owl relocation (i.e., eviction/passive and active relocation) can result in take of burrowing owl individuals, nests, and eggs, which is not authorized under the CVMSHCP. Consultation with CDFW is warranted to determine if an Incidental Take Permit is necessary to avoid a violation of Fish and Game code section

[3] California Department of Fish and Game (CDFG). 2012. Staff report on burrowing owl mitigation. State of California, Natural Resources Agency. Available for download at: https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83843&inline

2080. CDFW recommends that the City revise Mitigation Measure BIO-1 with the following additions in **bold** and removals in ~~strikethrough~~:

Mitigation Measure BIO-1: Burrowing Owl Focused and Pre-Construction Surveys

Suitable burrowing owl habitat has been confirmed on the site; therefore, focused burrowing owl surveys shall be conducted by a CVMSHCP-approved Acceptable Biologist in accordance with the *Staff Report on Burrowing Owl Mitigation* (2012 or most recent version) prior to vegetation removal or ground-disturbing activities for all phases of Project construction. If burrowing owls are detected during the focused surveys, the qualified biologist and Project proponent shall begin coordination with CDFW and USFWS immediately, and shall prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW for review and approval prior to commencing Project activities. The Burrowing Owl Plan shall describe proposed avoidance and monitoring actions, including measures necessary to avoid take of burrowing owl individuals, nests, and eggs. The Burrowing Owl Plan shall include the number and location of occupied burrow sites (occupied site means at least one burrowing owl or its sign has been observed within the last three years; may be indicated by owl sign including feathers, pellets, prey remains, eggshell fragments, or excrement at or near a burrow entrance or perch site), acres of burrowing owl habitat that will be impacted, details of site monitoring, and details on proposed buffers and other avoidance measures. If impacts to occupied burrowing owl habitat or burrow(s) or burrowing owl individuals, nests, or eggs cannot be avoided, appropriate CESA authorization (i.e., Incidental Take Permit under Fish and Game Code section 2081) should be obtained from CDFW prior to commencement of Project activities.

Preconstruction burrowing owl surveys shall be conducted no less than 14 days prior to the start of Project-related activities and within 24 hours prior to ground disturbance, in accordance with the *Staff Report on Burrowing Owl Mitigation* (2012 or most recent version). Preconstruction surveys should be repeated when there is a pause in construction of more than 30 days. Preconstruction surveys should be performed by a CVMSHCP-approved Acceptable Biologist following the recommendations and guidelines provided in the *Staff Report on Burrowing Owl Mitigation*. If the preconstruction surveys confirm occupied burrowing owl habitat, Project activities shall be immediately halted. The qualified biologist shall coordinate with CDFW and prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW and USFWS for review and approval prior to commencing Project activities. ~~A qualified biologist shall conduct two (2) take avoidance pre-construction burrowing owl surveys on the northern parcel of the Project site during Phase 2. The first shall occur between 14 and 30 days prior to ground disturbance, and the second shall occur within 24 hours of ground disturbance. If burrowing owls are detected, the project proponent shall consult with CDFW to determine what course of action is needed, such as the use of exclusion devices (if~~

~~applicable) to discourage owls from using burrows that are believed to be in jeopardy of being impacted by implementation of the project.~~

3) Coachella Valley Multiple Species Habitat Conservation Plan

Local Development Mitigation Fee

The Project is located within the CVMSHCP Plan Boundary and outside of a Conservation Area and contains habitat for Covered Species and/or conserved natural communities. Page 120 of the MND states that the "site is subject to payment of the Development Mitigation Fee to mitigate potential impacts to covered species under the CVMSHCP." Per CVMSHCP Section 5.2.1.1 and IA Sections 12.2.1 and 13.2, the City is obligated to impose a local development mitigation fee for new development within the Plan Area that impacts vacant land containing Habitat for Covered Species and/or conserved natural communities, including small vacant lots within urban areas that contain natural open space, and to transmit collected fees to CVCC at least quarterly and prior to impacts to Covered Species and their Habitats. To document the City's obligation to impose and transmit a Local Development Mitigation Fee for this Project, CDFW recommends the City add the following mitigation measure to a revised MND:

Mitigation Measure BIO-[B]: CVMSHCP Compliance

Prior to construction and issuance of any grading permit, the City shall ensure compliance with the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP) and its associated Implementing Agreement and shall ensure the collection of payment of the CVMSHCP Local Development Mitigation Fee and transfer of fees, at least quarterly and prior to impacts to Covered Species and their Habitats, to the Coachella Valley Conservation Commission.

4) Artificial Nighttime Lighting

The Project site is located adjacent to vacant areas within the larger Armtec facility that provide suitable burrowing, nesting, roosting, foraging, and refugia habitat for birds, migratory birds that fly at night, and other nocturnal and crepuscular wildlife. The Project proposes "light and glare from interior and exterior building lighting, safety and security lighting" (page 24 of the MND). The Project's proposed artificial nighttime lighting has the potential to significantly and adversely affect biological resources using these vacant areas within the larger Armtec facility. Artificial lighting alters ecological processes including, but not limited to, the temporal niches of species; the repair and recovery of physiological function; the measurement of time through interference with the detection of circadian and lunar and seasonal cycles; the detection of resources and natural

enemies; and navigation.[4] Many species use photoperiod cues for communication (e.g., bird song[5]), determining when to begin foraging,[6] behavioral thermoregulation,[7] and migration.[8] Phototaxis, a phenomenon that results in attraction and movement towards light, can disorient, entrap, and temporarily blind wildlife species that experience it.[10]

Page 24 of the MND indicates that the Project "will abide by the city's standards prohibiting reflective surfaces and spillage of light onto adjacent properties." CDFW considers these plans to minimize the impacts of artificial nighttime lighting to be insufficient in slope to reduce the impacts of lighting to level less than significant. To support the City in avoiding or reducing impacts of artificial nighttime lighting on biological resources to less than significant, CDFW recommends the City add the following mitigation measure to a revised MND:

Mitigation Measure BIO-[C]: Artificial Nighttime Lighting

Throughout construction and the lifetime operations of the Project, the City and Project proponent shall eliminate all nonessential lighting throughout the Project area and avoid or limit the use of artificial light at night during the hours of dawn and dusk when many wildlife species are most active. The City and Project proponent shall ensure that all lighting for the Project is fully shielded, cast downward and directed away from surrounding open-space and agricultural areas, reduced in intensity to the greatest extent possible, and does not result in lighting trespass including glare into surrounding areas or upward into the night sky (see the International Dark-Sky Association standards at http://darksky.org/). The City and Project proponent shall ensure use of LED lighting with a correlated color temperature of 3,000 Kelvins or less, proper disposal of hazardous waste, and recycling of lighting that contains toxic compounds with a qualified recycler.

5) Landscaping

The MND indicates that the Project's landscaping will include "median and landscaping improvements" associated with the widening of Tyler Street (page 5), and "97,000 SF of landscaping, on- and off-site" (page 31). No additional details are provided on landscaping plans in the MND. CDFW recommends that the MND include recommendations regarding landscaping from Section 4.0 of the CVMSHCP "Table 4-

[4] Gatson, K. J., Bennie, J., Davies, T., Hopkins, J. 2013. The ecological impacts of nighttime light pollution: a mechanistic appraisal. Biological Reviews, 88.4: 912-927.
[5] Miller, M. W. 2006. Apparent effects of light pollution on singing behavior of American robins. The Condor 108:130–139.
[6] Stone, E. L., G. Jones, and S. Harris. 2009. Street lighting disturbs commuting bats. Current Biology 19:1123–1127.
[7] Beiswenger, R. E. 1977. Diet patterns of aggregative behavior in tadpoles of *Bufo americanus*, in relation to light and temperature. Ecology 58:98–108.
[8] Longcore, T., and C. Rich. 2004. Ecological light pollution - Review. Frontiers in Ecology and the Environment 2:191–198.

112: Coachella Valley Native Plants Recommended for Landscaping" (pp. 4-180 to 4-182; https://cvmshcp.org/plan-documents/). CDFW also recommends incorporation of water-wise concepts in any Project landscape design plans. In particular, CDFW recommends xeriscaping with locally native California species and installing water-efficient and targeted irrigation systems (such as drip irrigation). Native plants support butterflies, birds, reptiles, amphibians, small mammals, bees, and other pollinators that evolved with those plants. More information on native plants suitable for the Project location and nearby nurseries is available at Calscape: https://calscape.org/. Local water agencies/cities and resource conservation cities in your area may be able to provide information on plant nurseries that carry locally native species, and some facilities display drought-tolerant locally native species demonstration gardens. Information on drought-tolerant landscaping and water-efficient irrigation systems is available on California's Save our Water website: https://saveourwater.com/.

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e).) Accordingly, please report any special-status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDB). The CNNDB field survey form can be filled out and submitted online at the following link: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The types of information reported to CNDDB can be found at the following link: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

ENVIRONMENTAL DOCUMENT FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the environmental document filing fee is required in order for the underlying Project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.)

CONCLUSION

CDFW appreciates the opportunity to comment on the MND to assist the City in identifying and mitigating Project impacts to biological resources. CDFW concludes that the MND does not adequately identify or mitigate the Project's significant, or potentially significant, impacts to biological resources. CDFW recommends that revised and additional mitigation measures and analysis as described in this letter be added to a revised MND.

CDFW personnel are available for consultation regarding biological resources and strategies to avoid and minimize impacts. Questions regarding this letter or further coordination should be directed to Jacob Skaggs, Senior Environmental Scientist Specialist, at jacob.skaggs@wildlife.ca.gov.

Sincerely,

DocuSigned by:
Kim Freeburn
84F92FFEEFD24C8...

Kim Freeburn
Environmental Program Manager

Attachment 1: MMRP for CDFW-Proposed Mitigation Measures

ec:

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Office of Planning and Research, State Clearinghouse, Sacramento
state.clearinghouse@opr.ca.gov

ATTACHMENT 1: MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)

Mitigation Measures	**Timing and Methods**	**Responsible Parties**
Mitigation Measure BIO-[A]: Nesting Birds	**Timing:** No more than 3 days prior to all vegetation removal or	**Implementation**: City and Project proponent

Regardless of the time of year, nesting bird surveys shall be performed by a qualified avian biologist no more than 3 days prior to all vegetation removal or ground-disturbing activities throughout all portions of the Project. Pre-construction surveys shall focus on both direct and indirect evidence of nesting, including nest locations and nesting behavior. The qualified avian biologist will make every effort to avoid potential nest predation as a result of survey and monitoring efforts. If active nests are found during the pre-construction nesting bird surveys, a qualified biologist shall establish an appropriate nest buffer to be marked on the ground. Nest buffers are species specific and shall be at least 300 feet for passerines and 500 feet for raptors. A smaller or larger buffer may be determined by the qualified biologist familiar with the nesting phenology of the nesting species and based on nest and buffer monitoring results. Construction activities may not occur inside the established buffers, which shall remain on-site until a qualified biologist determines the young have fledged or the nest is no longer active. Active nests and adequacy of the established buffer distance shall be monitored daily by the qualified biologist until the qualified biologist has determined the young have fledged or the Project has been completed. The qualified biologist has the authority to stop work if nesting pairs exhibit signs of disturbance.	ground-disturbing activities. **Methods:** See Mitigation Measure	**Monitoring and Reporting**: City and Project proponent
Mitigation Measure BIO-1: Burrowing Owl Focused and Pre-Construction Surveys **Suitable burrowing owl habitat has been confirmed on the site; therefore, focused burrowing owl surveys shall be conducted by a CVMSHCP-approved Acceptable Biologist in accordance with the *Staff Report***	**Timing: Focused surveys:** Prior to vegetation removal or ground-disturbing activities. **Pre-construction surveys:** No less than 14 days prior	**Implementation**: City and Project proponent **Monitoring and Reporting**: City and Project proponent

***on Burrowing Owl Mitigation* (2012 or most recent version) prior to vegetation removal or ground-disturbing activities for all phases of Project construction. If burrowing owls are detected during the focused surveys, the qualified biologist and Project proponent shall begin coordination with CDFW and USFWS immediately, and shall prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW for review and approval prior to commencing Project activities. The Burrowing Owl Plan shall describe proposed avoidance and monitoring actions, including measures necessary to avoid take of burrowing owl individuals, nests, and eggs. The Burrowing Owl Plan shall include the number and location of occupied burrow sites (occupied site means at least one burrowing owl or its sign has been observed within the last three years; may be indicated by owl sign including feathers, pellets, prey remains, eggshell fragments, or excrement at or near a burrow entrance or perch site), acres of burrowing owl habitat that will be impacted, details of site monitoring, and details on proposed buffers and other avoidance measures. If impacts to occupied burrowing owl habitat or burrow(s) or burrowing owl individuals, nests, or eggs cannot be avoided, appropriate CESA authorization (i.e., Incidental Take Permit under Fish and Game Code section 2081) should be obtained from CDFW prior to commencement of Project activities.** **Preconstruction burrowing owl surveys shall be conducted no less than 14 days prior to the start of Project-related activities and within 24 hours prior to ground disturbance, in accordance with the *Staff Report on Burrowing Owl Mitigation* (2012 or most recent version). Preconstruction surveys should be repeated when there is a**	to start of Project-related activities and within 24 hours prior to ground disturbance and when there is a pause in construction of more than 30 days. **Methods:** See Mitigation Measure	

pause in construction of more than 30 days. Preconstruction surveys should be performed by a CVMSHCP-approved Acceptable Biologist following the recommendations and guidelines provided in the *Staff Report on Burrowing Owl Mitigation*. If the preconstruction surveys confirm occupied burrowing owl habitat, Project activities shall be immediately halted. The qualified biologist shall coordinate with CDFW and prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW and USFWS for review and approval prior to commencing Project activities.		
Mitigation Measure BIO-[B]: CVMSHCP Compliance **Prior to construction and issuance of any grading permit, the City shall ensure compliance with the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP) and its associated Implementing Agreement and shall ensure the collection of payment of the CVMSHCP Local Development Mitigation Fee and transfer of fees, at least quarterly and prior to impacts to Covered Species and their Habitats, to the Coachella Valley Conservation Commission.**	**Timing:** Prior to construction and issuance of any grading permit. **Methods:** See Mitigation Measure	**Implementation**: City **Monitoring and Reporting**: City
Mitigation Measure BIO-[C]: Artificial Nighttime Lighting **Throughout construction and the lifetime operations of the Project, the City and Project proponent shall eliminate all nonessential lighting throughout the Project area and avoid or limit the use of artificial light at night during the hours of dawn and dusk when many wildlife species are most**	**Timing:** Throughout construction and lifetime operations of the Project. **Methods:** See Mitigation Measure	**Implementation**: City and Project Proponent **Monitoring and Reporting**: City and Project proponent

active. The City and Project proponent shall ensure that all lighting for the Project is fully shielded, cast downward and directed away from surrounding open-space and agricultural areas, reduced in intensity to the greatest extent possible, and does not result in lighting trespass including glare into surrounding areas or upward into the night sky (see the International Dark-Sky Association standards at http://darksky.org/). The City and Project proponent shall ensure use of LED lighting with a correlated color temperature of 3,000 Kelvins or less, proper disposal of hazardous waste, and recycling of lighting that contains toxic compounds with a qualified recycler.		

IID

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May 19, 2025

Mr. Adrian Moreno
Associate Planner
Development Services Department
City of Coachella
53990 Enterprise Way
Coachella, CA 92236

SUBJECT: NOI to Adopt an MND for the Armtec Expansion Master Plan; EA 25-01, CUP 389, AR 25-02

Dear Mr. Moreno:

On April 23, 2025, the Imperial Irrigation District received from the City of Coachella Development Services Department, the Notice of Intent to adopt a Mitigated Negative Declaration for the Armtec Expansion Master Plan; Environmental Assessment 25-01, Conditional Use Permit 389, Architectural Review 25-02. The project proposes 37,800 sq. ft. in new storage facilities, 3,000 sq. ft. in new research and development/small production facilities, 15,000 sq. ft. in new production facilities, a ±73,200 sq. ft. truck staging area, and three retention basins. The project also includes off-site improvements adjacent to the site, including the widening and improvements of Tyler Street. The proposed project is Phase 2 and Phase 3 of the three-phased Armtec Expansion Master Plan. Phase 1 of the Master Plan, which is not part of the project, was the construction of a ±33,900 sq. ft. ground-mounted solar grid and seven solar parking canopies on the northern parcel of the existing 52.65-acre Armtec Defense Technologies (Armtec) site located at 85901 Avenue 53 in Coachella, CA (APNs 778-420-013, 778-390-008).

IID has reviewed the project information has the following comments:

1. Based on the preliminary information provided to the IID, the district can accommodate the proposed project by the addition of new backbone line extensions, upgrades and reconfigurations to create ties with adjacent circuits in the area and extend electrical service to the proposed development. Based on current 2025 IID rates, a high-level cost estimate of these improvements amounts to $355,000 (subject to change without notice, including for adjustments in costs of materials, supply or labor). It is important to note, new backbone lines extensions, upgrades or reconfigurations to create ties with adjacent circuits in the area with existing IID facilities will be required, all of which are at the expense of the Developer. The conditions of service could change as a result of the additional studies.

2. It is important to note that a feasibility study will be developed once a customer project application and approved plans and loading calculations are received. This detailed information will allow IID to perform an accurate assessment and provide a full report of any potential impacts and mitigation measures as well as costs. The conditions of service could change as a result of the additional studies. The cost of any technical assessment shall be borne by the applicant.

3. IID will not begin any engineering studies to provide electrical service to the project until the applicant submits a customer project application (available for download at www.iid.com/home/showpublisheddocument/12923/638440444053700000 and detailed loading information, panel sizes, project schedule and estimated in-service date. Applicant shall bear all costs associated with additional facilities deemed necessary to provide electrical service to the project, including but not limited to distribution feeder/backbone extensions, distribution overhead and/or underground line extensions, load balancing as well as any other related upgrades and applicable permits, zoning changes, landscaping (if required by the City) and rights-of-way and easements.

4. The district's ability to provide service from existing infrastructure is based on current available capacity, which may be impacted by future development in the area. IID is unable to hold system capacity to the detriment of other customers.

5. Underground infrastructure of any additional facilities needed such as double conduit/vault systems that include trenching, conduits, pull boxes, switch boxes and pads shall be installed at the applicant's expense following IID approved plans within the public utility easement or dedicated easement, if applicable. Physical field installation of underground infrastructures should be verified and approved by an IID inspector prior to cable installation as per IID Developer's Guide (available at the district website https://www.iid.com/home/showdocument?id=14229).

6. IID Regulations governing line extensions can be found at:
   No. 2 (http://www.iid.com/home/showdocument?id=2540),
   No. 13 (http://www.iid.com/home/showdocument?id=2553),
   No. 15 (http://www.iid.com/home/showdocument?id=2555),

7. For additional information regarding electrical service for the project, the applicant should be advised to contact the IID Energy - La Quinta Division Customer Operations, 81-600 Avenue 58 La Quinta, CA 92253, at (760) 398-5841 and speak with the project development planner assigned to the area.

8. It is important to note that IID's policy is to extend its electrical facilities only to those project that have obtained the approval of a city or county planning commission and such other governmental authority or decision-making body having jurisdiction over said developments.

9. The project proponent will be required to provide and bear all costs associated with acquisition of land, rights of way, easements, and infrastructure relocations and realignments deemed necessary to accommodate the project. Any street or road improvements imposed by the local governing authority shall also be at the project proponent cost.

10. The applicant will be required to provide rights of ways and easements for any proposed power line extensions and/or any other infrastructure needed to serve a project as well as the necessary access to allow for continued operation and maintenance of any IID facilities located on adjoining properties where no public access exists.

11. Substations and switchyards shall be located on property that will transferred to IID in fee simple ownership with legal access.

12. Public utility easements over all private and public roads and additional ten (10) feet in width on both side of the private and public roads shall be dedicated to IID for the construction, operation, and maintenance of its electrical infrastructure.

13. Any construction or operation on IID property or within its existing and proposed right of way or easements including but not limited to: surface improvements such as proposed new streets, driveways, parking lots, landscape; and all water, sewer, storm water, or any other above ground or underground utilities; will require an encroachment permit, or encroachment agreement (depending on the circumstances). A copy of the IID encroachment permit application and instructions for its completion are available at https://www.iid.com/about-iid/department-directory/real-estate. The IID Real Estate Section should be contacted at (760) 339-9239 for additional information regarding encroachment permits or agreements.

14. Any new, relocated, modified or reconstructed IID facilities required for and by the project (which can include but is not limited to electrical utility substations, electrical transmission and/or distribution lines, ancillary facilities associated with the conveyance of energy service; the acquisition and dedication of real property, rights of way and/or easements for the siting and construction of electrical utility substations, electrical transmission and/or distribution lines and ancillary facilities associated with the conveyance of energy service, etc.) need to be included as part of the project's California Environmental Quality Act (CEQA) and/or National Environmental Policy Act (NEPA documentation, environmental impact analysis and mitigation. Failure to do so will result in postponement of any construction and/or modification of IID facilities until such time as the environmental documentation is amended and environmental impacts are fully mitigated. **Any mitigation necessary as a result of the construction, relocation and/or upgrade of IID facilities is the responsibility of the project proponent**.

15. Dividing a project into two or more pieces and evaluating each piece in a separate environmental document (Piecemealing or Segmenting), rather than evaluating the whole of the project in one environmental document, is explicitly forbidden by CEQA, because dividing a project into a number of pieces would allow a Lead Agency to minimize the apparent environmental impacts of a project by evaluating individual pieces separately, each of which may have a less-than-significant impact on the environment, but which together may result in a significant impact. Segmenting a project may also hinder developing comprehensive mitigation strategies. In general, if an activity or facility is necessary for the operation of a project, or necessary to achieve the project objectives, or a reasonably foreseeable consequence of approving the project, then it should be considered an integral project component that should be analyzed within the environmental analysis. The project description should include all project components, including those that will have to be approved by responsible agencies. The State CEQA Guidelines define a project under CEQA as "the whole of the action" that may result either directly or indirectly in physical changes to the environment. This broad definition is intended to provide the maximum protection of the environment. CEQA case law has

established general principles on project segmentation for different project types. For a project requiring construction of offsite infrastructure, the offsite infrastructure must be included in the project description. *San Joaquin Raptor/Wildlife Rescue Center v. County of Stanislaus* (1994) 27 Cal.App. 4th 713.

16. When the project goes through the CEQA compliance process, it is important to bear in mind that to address the project impacts to the electrical utility (i.e., the IID electrical grid), considered under the environmental factor "Utilities and Services" of the Environmental Checklist/Intial Study, and determine if the project would require or result in the relocation or construction of new or expanded electric power facilities, the construction or relocation of which could cause significant environmental effects; a circuit study/distribution impact study, facility study, and/or system impact study must be performed.

17. Applicant should be advised that landscaping can be dangerous if items are planted too close to IID's electrical equipment. In the event of an outage, or equipment failure, it is vital that IID personnel have immediate and safe access to its equipment to make the needed repairs. For public safety, and that of the electrical workers, it is important to adhere to standards that limit landscaping around electrical facilities. IID landscaping guidelines are available at with https://www.iid.com/power/vegetation-management

Should you have any questions, please do not hesitate to contact me at (760) 482-3609 or at dvargas@iid.com. Thank you for the opportunity to comment on this matter.

Respectfully,

Donald Vargas
Compliance Administrator II

Jamie Asbury – General Manager
Mike Pacheco – Manager, Water Dept.
Matthew H Smelser – Manager, Power Dept.
Paul Rodriguez – Deputy Mgr. Power Dept. Power Dept.
Geoff Holbrook - General Counsel
Joanna Smith-Hoff – Deputy General Counsel
Laura Cervantes. – Supervisor, Real Estate



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Armtech Expansion Master Plan
Coachella, California

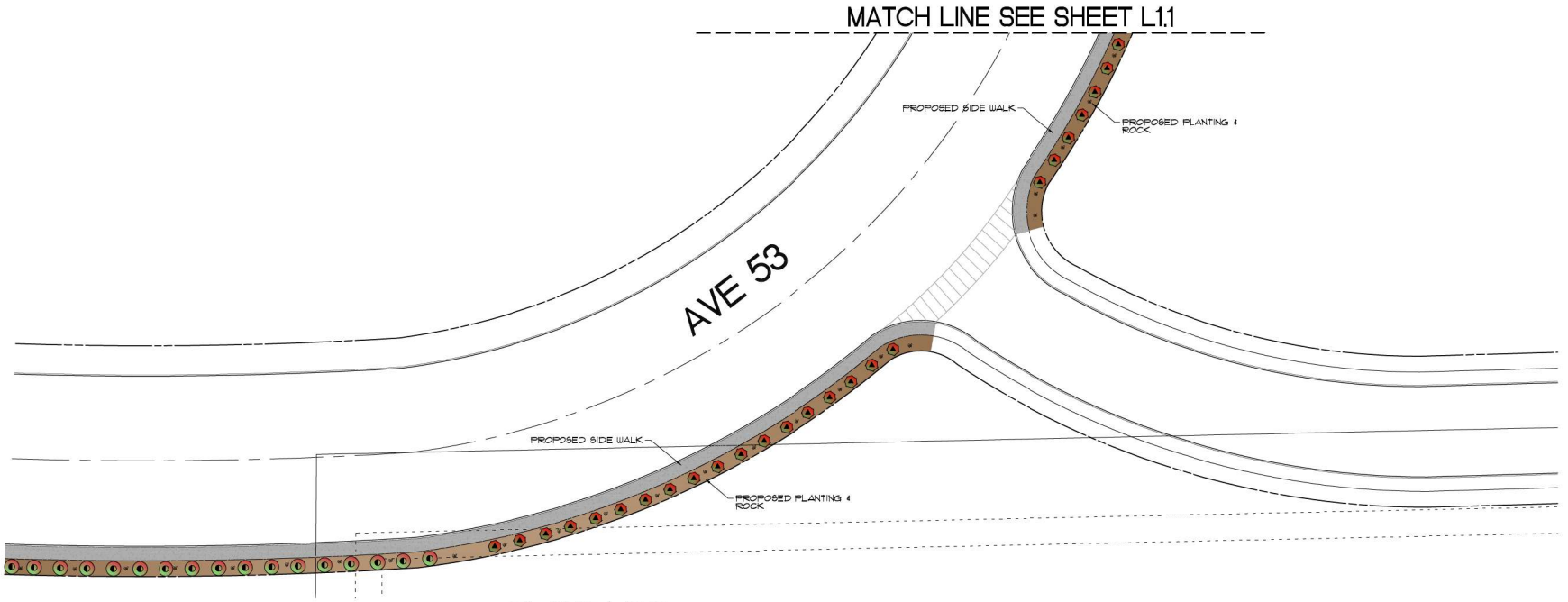
Exhibit
1



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PLANNING & RESEARCH, INC.

Project Location Map
Armtech Expansion Master Plan
Coachella, California

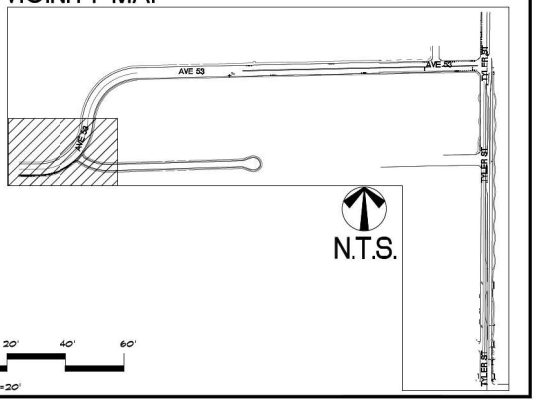
Exhibit
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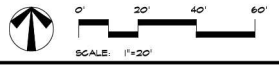


PLANT LIST

SYMBOL	QTY.	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE
SHRUBS				
	99	CAESALPINIA PULCHERRIMA "RED BIRD OF PARADISE"	5 GAL.	0.2 LOW
	69	BOUGAINVILLEA "LA JOLLA"	5 GAL.	0.5 MOD
	91	TECOMA STANS "YELLOW BELLS"	5 GAL.	0.5 MOD
GROUNDCOVERS & VINES				
	33	EREMOPHILA GLABRA "MINGENEW GOLD"	5 GAL.	0.2 LOW
PAVING, STONE, & GRAVEL MATERIALS				
	-	3/8" DIA. 'CALIFORNIA GOLD' CRUSHED ROCK LAID 2" THICK. CONTRACTOR TO INSTALL WEED BARRIER UNDER ALL GRAVEL MATERIAL		
	-	3/4" DIA. 'APACHE BROWN' CRUSHED ROCK LAID 2" THICK. CONTRACTOR TO INSTALL WEED BARRIER UNDER ALL GRAVEL MATERIAL		
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	-	BOULDER 'B' = 24"H X 24"W X 30"L DIA. COLOR:DESERT MARBLE BOULDER		
	-	BOULDER 'C' = 18"H X 18"W X 24"L DIA. COLOR: DESERT MARBLE BOULDER		

VICINITY MAP





HERMANN DESIGN GROUP
77-899 WOLF RD.
SUITE 102
PALM DESERT, CA
92211
LIC# 2754 EXP. 04/30/26
PH. (760) 777-9131
FAX (760) 777-9132

OWNER:
ARMTEC
85901 AVENUE 53
COACHELLA, CA 92236

PROJECT:
ARMTEC OFFSITE
TYLER AND AVENUE 53 LANDSCAPE IMPROVEMENTS
COACHELLA, CA 92236

REVISIONS	DATE	BY

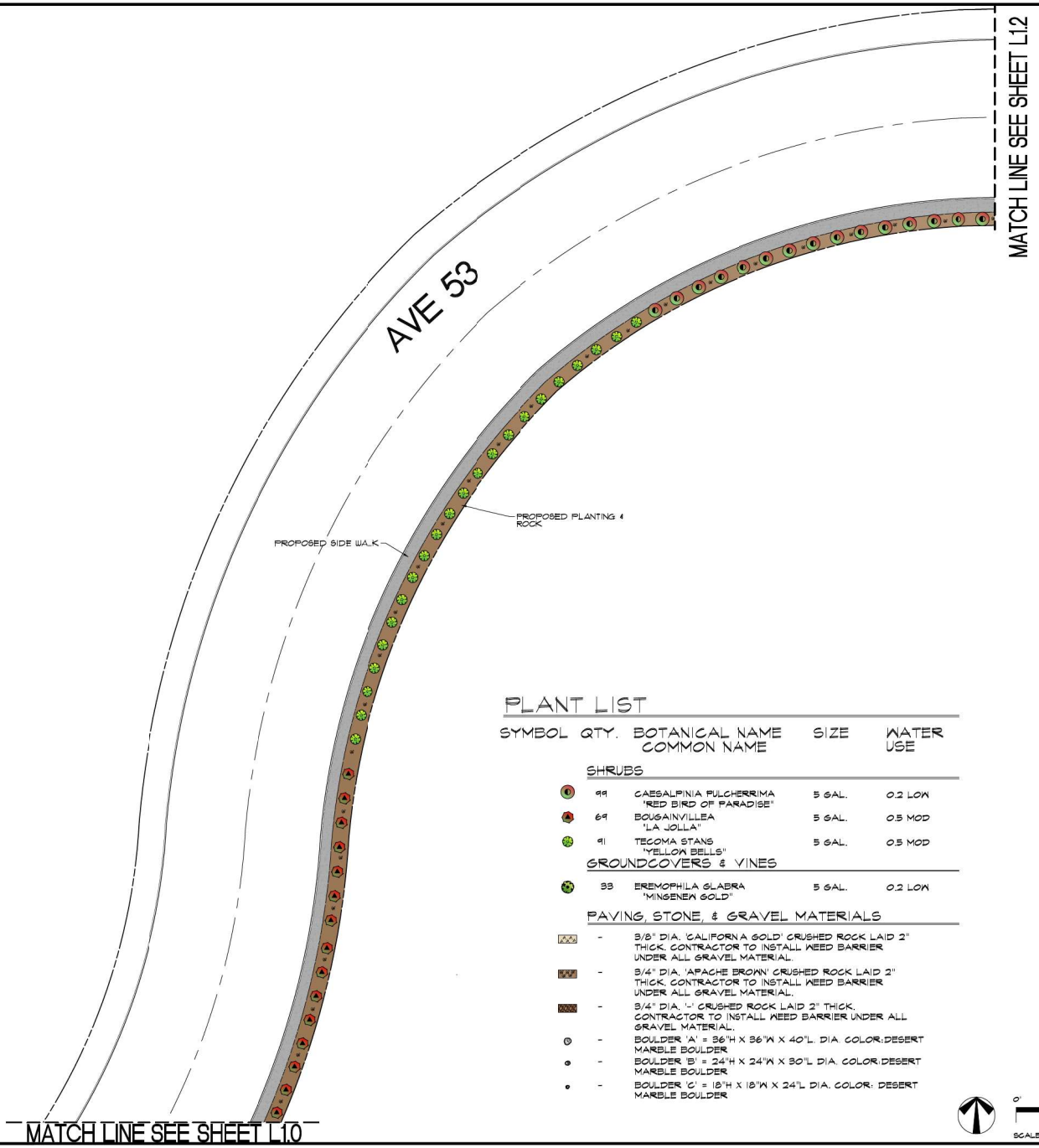
LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER HERMANN
No. 6454
RENEWAL 4/30/26
STATE OF CALIFORNIA

SHEET TITLE
PRELIMINARY PLAN

DESIGNED	OG
DRAWN	JL
CHECKED	-
DATE	5/20/25
SCALE	1"=20'
JOB NO.	-

SHEET
L1.0
OF 7 SHEETS

1506



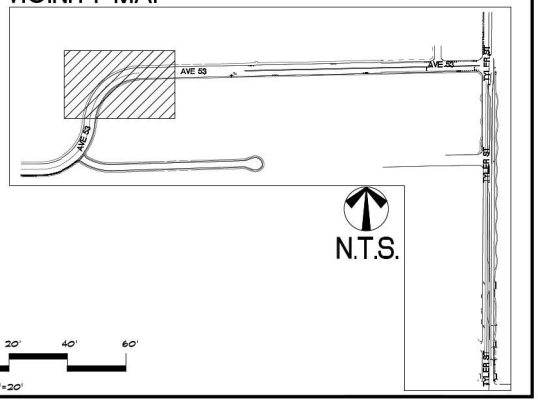
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VICINITY MAP



0' 20' 40' 60'
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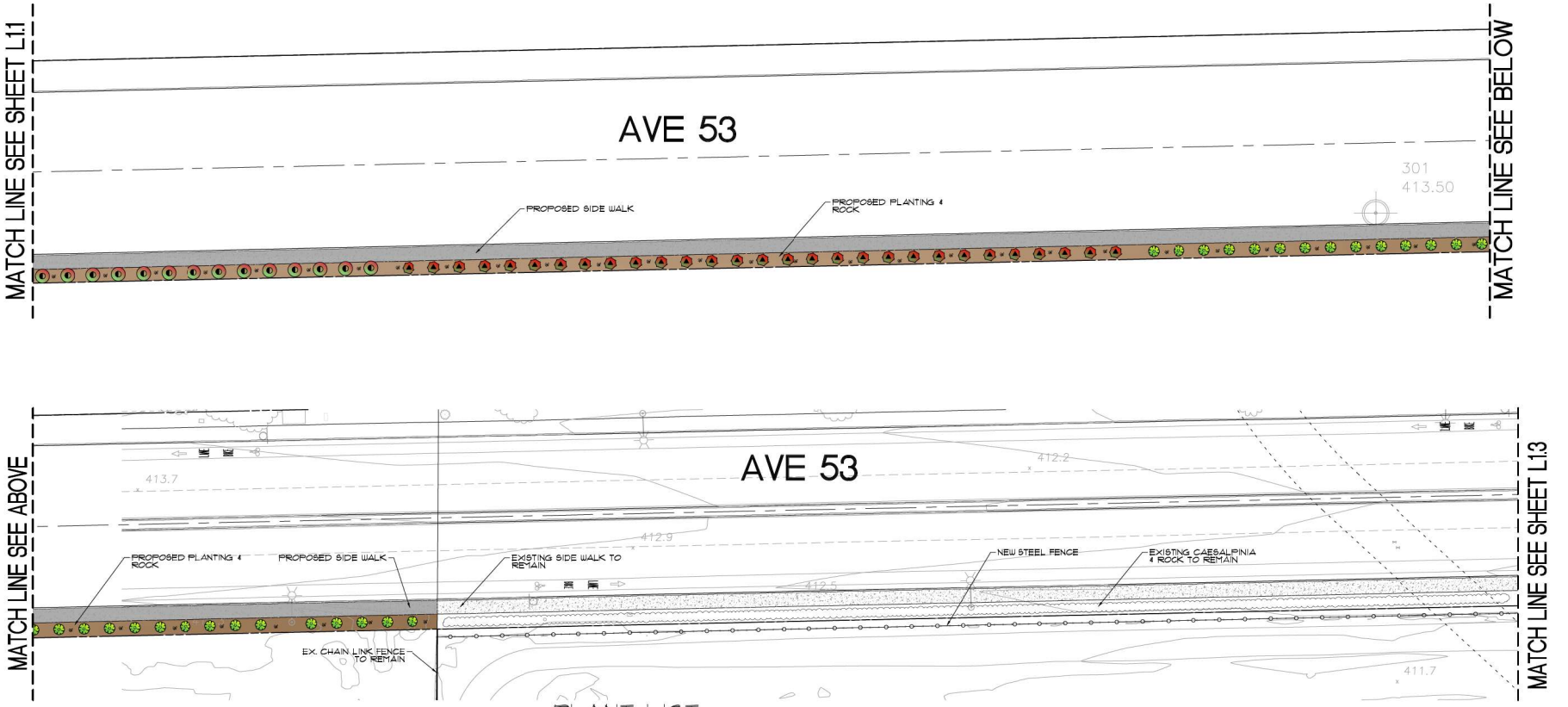
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PRELIMINARY PLAN

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SHEET
L1.1
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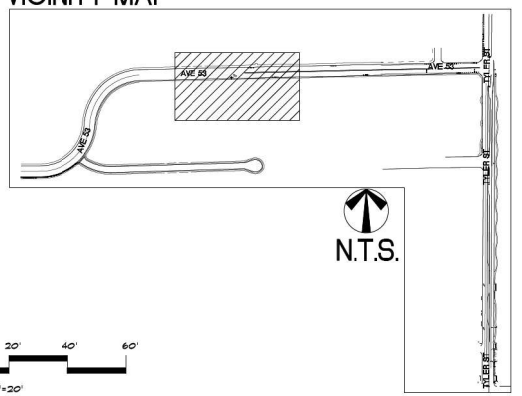
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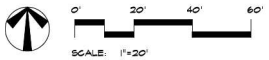


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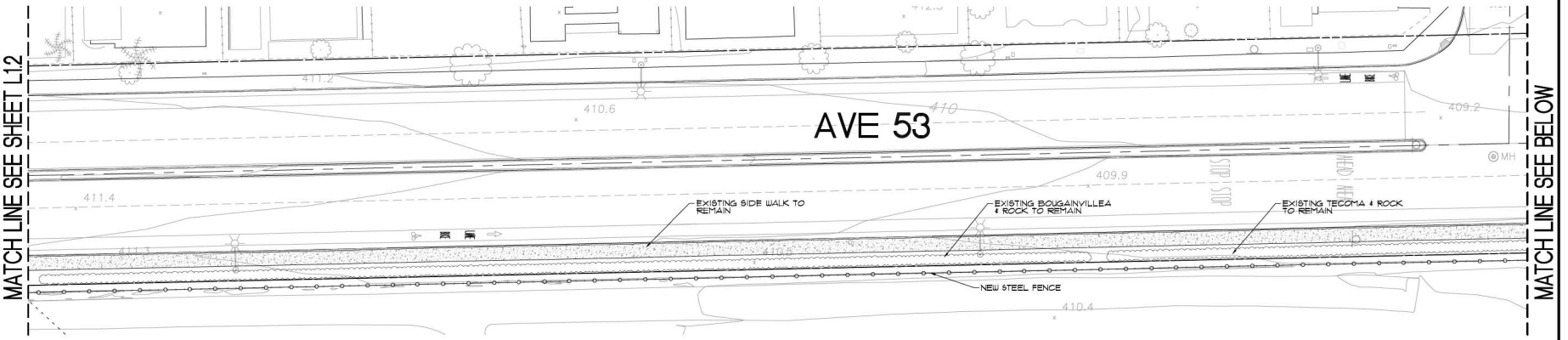
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CHRISTOPHER HERMANN
4/30/26
STATE OF CALIFORNIA

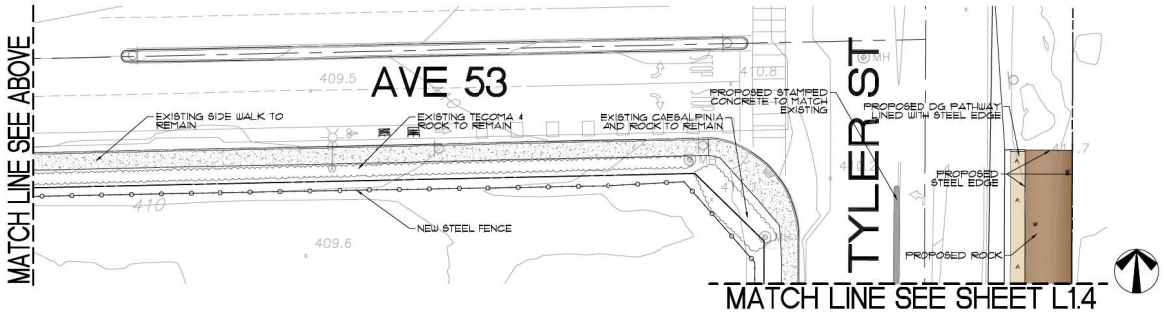
SHEET TITLE
PRELIMINARY PLAN

DESIGNED	OG
DRAWN	JL
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DATE	5/20/25
SCALE	1"=20'
JOB NO.	-

SHEET
L1.2
OF 7 SHEETS

1508

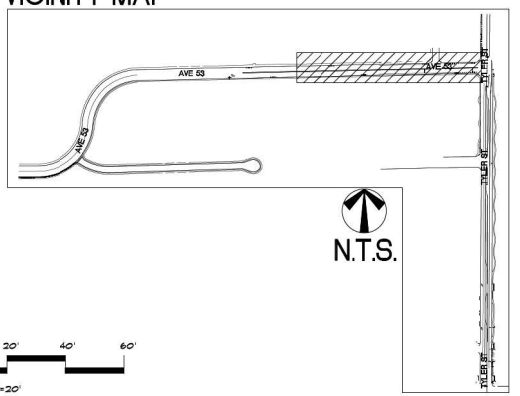




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VICINITY MAP



0' 20' 40' 60'
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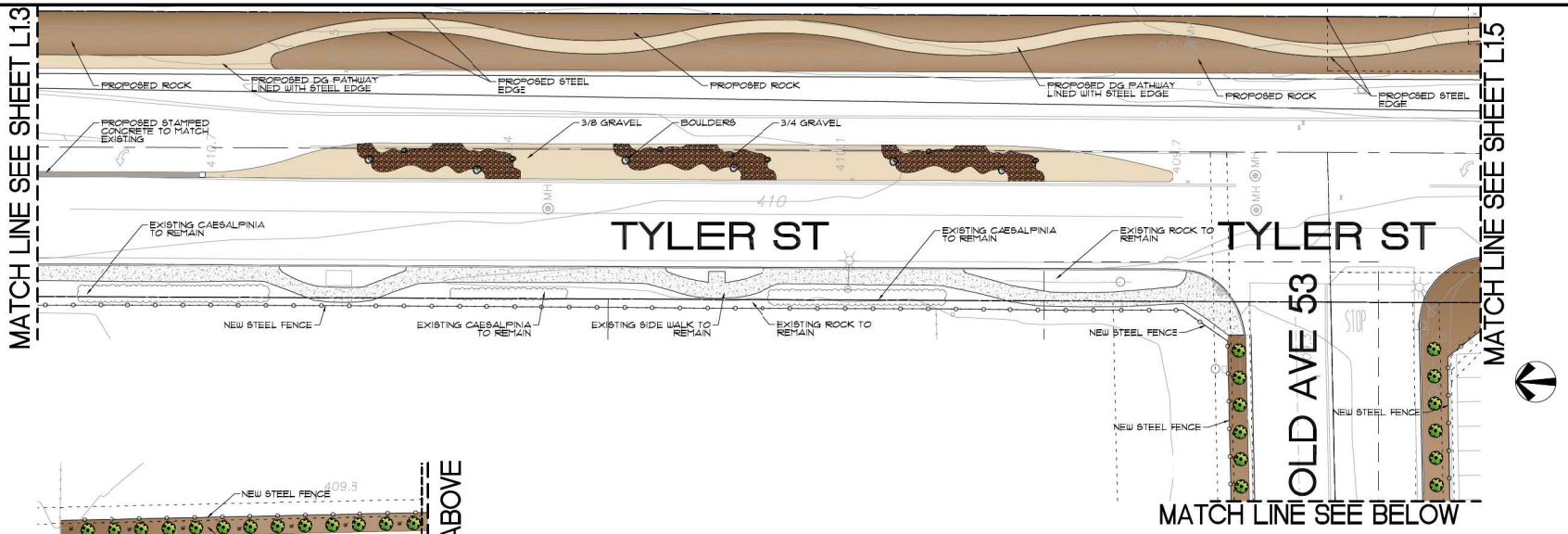
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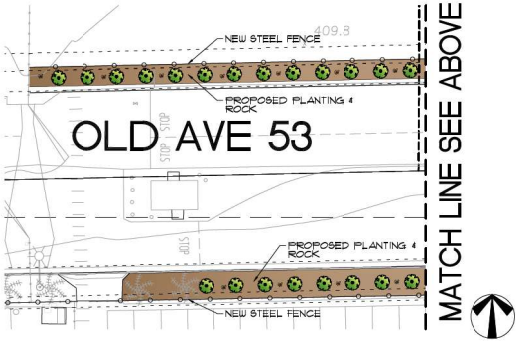
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SHEET
L1.3
OF 7 SHEETS

1509





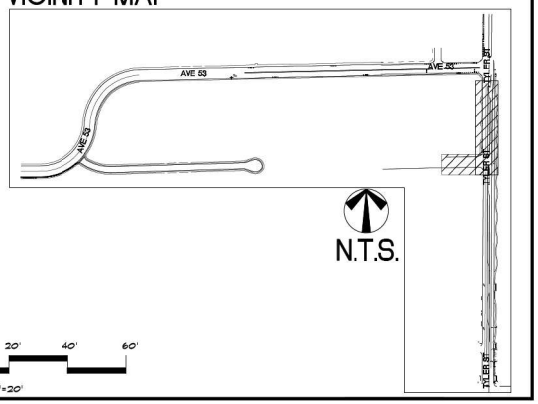
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VICINITY MAP



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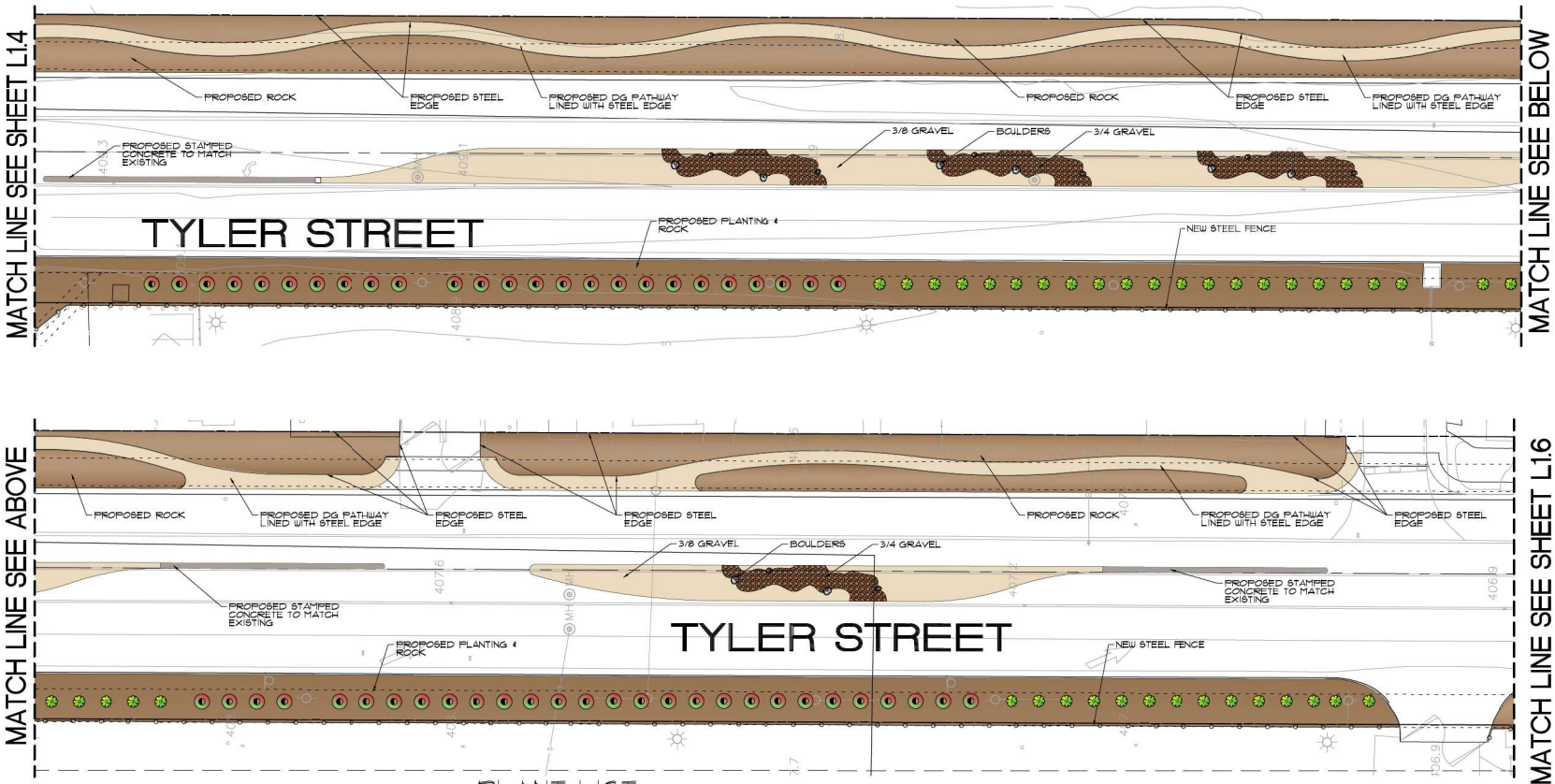
LICENSED LANDSCAPE ARCHITECT
CERTIFICATE NO. 2754
RENEWAL 4/30/26
STATE OF CALIFORNIA

SHEET TITLE
PRELIMINARY PLAN

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DATE	5/20/25
SCALE	1"=20'
JOB NO.	-

SHEET
L1.4
OF 7 SHEETS

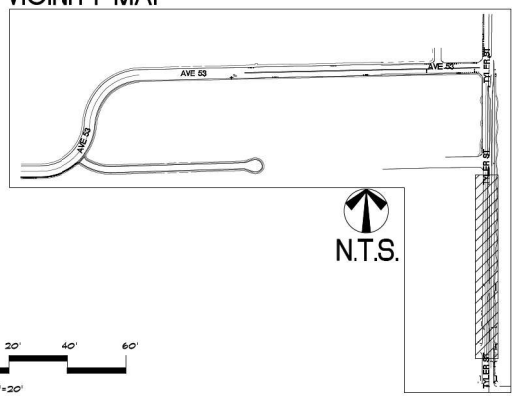
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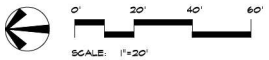


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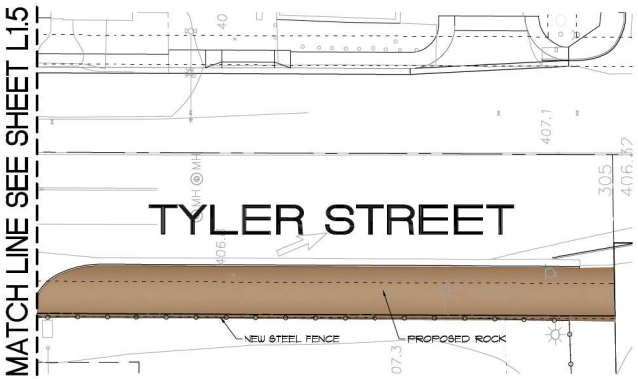
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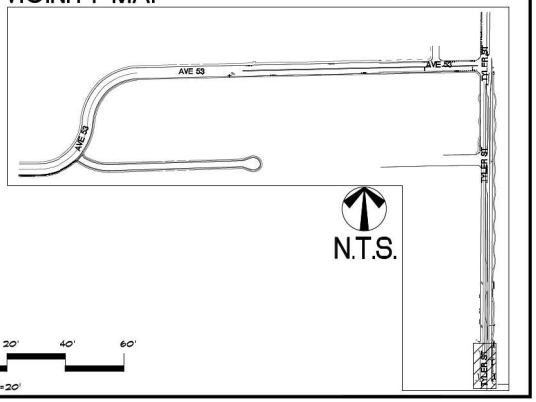
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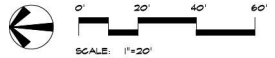


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COACHELLA, CA 92236

REVISIONS	DATE	BY

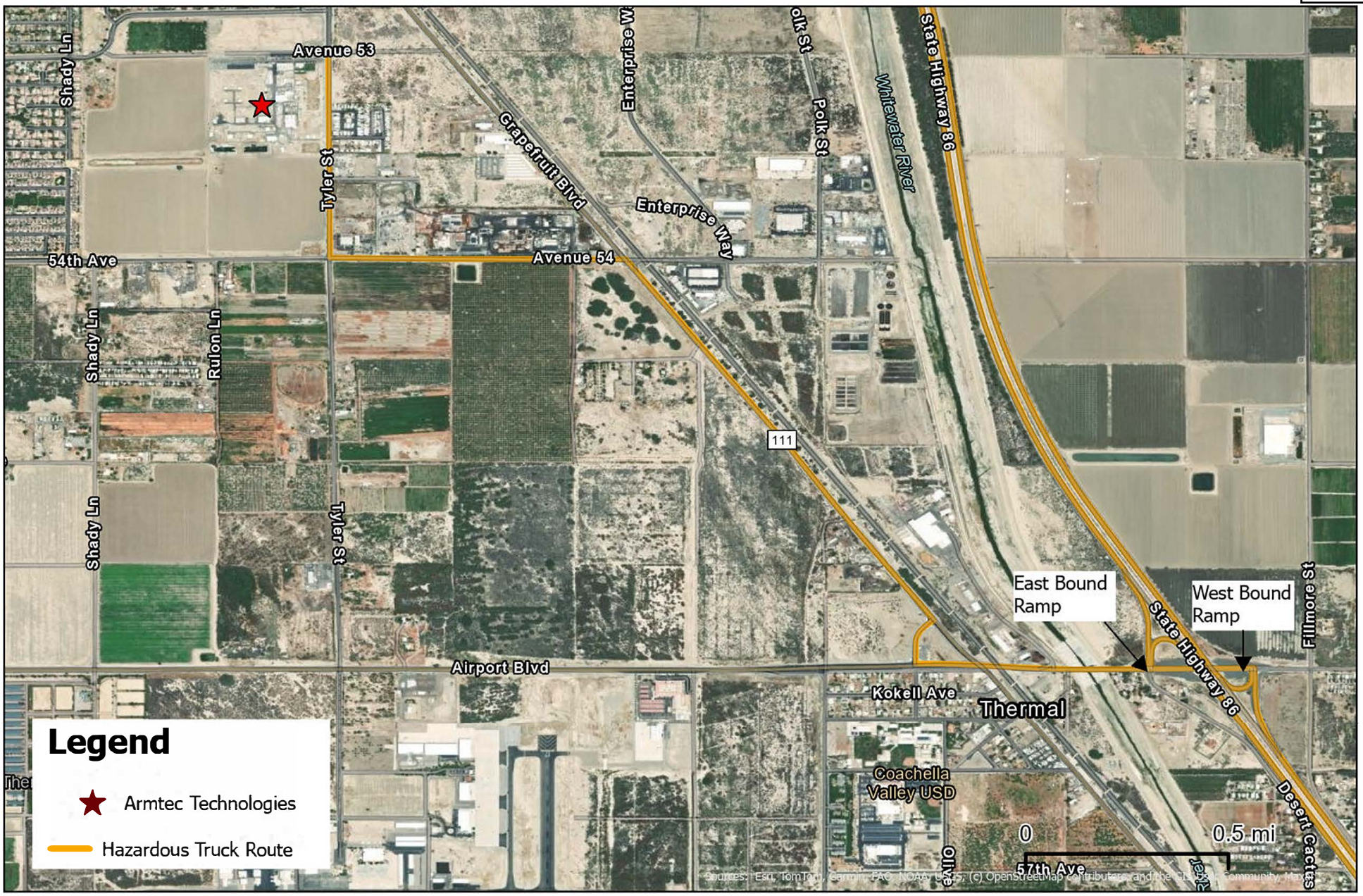
LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER HERMANN
No. 6161
Signature
4/30/26
Renewal Date
STATE OF CALIFORNIA

SHEET TITLE
PRELIMINARY PLAN

DESIGNED	OG
DRAWN	JL
CHECKED	-
DATE	5/20/25
SCALE	1"=20'
JOB NO.	-

SHEET
L1.6
OF 7 SHEETS

1512



The Altum Group

Hazardous Truck Route

Armtec Technologies

Exhibit

1513

TheAltumGroup
44-600 Village Court., Ste. 100
Palm Desert, CA 92260
760. 346.4750 Tel
760. 340.0089 Fax

MEMORANDUM

TO: Adrian Moreno, Associate Planner
FROM: Stephen Nieto, The Altum Group
DATE: April 19, 2025
SUBJECT: Parking Analysis – Compliance with Section 17.54.010 of the City of Coachella Municipal Code

This memorandum serves to confirm that the project site located at 85901 Avenue 53, Coachella (APNs: 778-420-013 and 778-390-008) has been evaluated for compliance with the City of Coachella Municipal Code, Section 17.54.010 – Parking Requirements. The parking analysis provided below indicates that the project site will maintain a surplus of 42 parking spaces beyond the minimum requirements stipulated by the municipal code. Refer to attached Exhibit for existing facility square footages quantities.

Parking Requirements and Compliance

The parking analysis was conducted in accordance with the City of Coachella's established standards, which specify the following requirements:

Existing On-Site Buildings Parking Calculations

- Existing Warehouse Buildings: 95,495 square feet
    - One (1) parking space per 400 square feet for the first 20,000 square feet of unit area.
    - One (1) additional parking space per 1,000 square feet for any area exceeding 20,000 square feet.
    - Existing warehouse space: 95,495 square feet = 125 required spaces.
- Existing Office Buildings: 25,800 square feet
    - One (1) parking space per 250 square feet of gross floor area.
    - Existing office space: 25,800 square feet = 104 required spaces.
- **Total existing on-site parking = 229 spaces required**

Proposed New Building Parking Calculations

- New Warehouse Building (APN: 778-420-013): 15,345 square feet
    - One (1) parking space per 400 square feet for the first 20,000 square feet of unit area.
    - New Warehouse Building: 15,345 square feet = 39 required spaces.

TheAltumGroup
44-600 Village Court., Ste. 100
Palm Desert, CA 92260
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- New R&D Facility (APN: 778-390-008): 3,773 square feet
    - One (1) parking space per 400 square feet for the first 20,000 square feet of unit area.
    - New R&D Facility: 3,773 square feet = 10 required spaces.
- **Total parking spaces required for new construction = 49 spaces.**

The total number of required parking spaces is 278, currently there are 320 existing spaces provided, resulting in a surplus of 42 parking spaces. See below Parking Summary Table.

Parking Summary and Surplus

Category	**Spaces Required**	**Existing Spaces Provided**
Existing Buildings	229	
New Construction	49	
Total	**278** (7 ADA-Compliant Spaces)	**320** (5 ADA-Compliant Spaces)
Surplus Total	**42 parking spaces**	

ADA Parking Compliance:

- Per the City's Off-Street handicapped parking requirements, 201-300 parking spaces require (7) ADA-compliant parking spaces.
- Armtec currently provides (5) ADA-compliant parking spaces.
- Armtec to provide (2) additional ADA-Compliant parking spaces.

Non-occupied buildings 18,410 sf.

Office space 25,800 sf.

Occupied buildings 77,085 sf.



P. S. Devirian
439 Sierra Madre North
Palm Desert, CA 92260

June 3, 1991

John Croswhite
Director of Community Development
City of Coachella
1515 Sixth Street
Coachella, CA 92236

Subject: Armtec. Conditional Use Permit No. 151/
Architectural Review No. 91-16
Public Hearing June 6, 1991

Dear Mr. Croswhite

Being a respected employer of several hundred people for many years, Armtec is deserving of consideration of their requests for improvements in their facilities to meet the requirements of contracts with the Department of Defense. This we do not question.

In the past few years, however, it should be noted that their expansion has resulted in more of the combustible and hazardous materials being located closer and closer to the adjacent property, which our family owns and is currently attempting to develop into a high quality industrial park. A few years ago, when Armtec had requested permission to locate storage of the highly combustible nitro-cellulose material used for ammunition cartridge cases closer to our property, the incumbant City planner agreed with my request that a berm, wall or other protection should be provided between our respective properties as a condition to the approval. The permission, however, was granted without such protection provision.

In discussing our development efforts with persons expert in real estate developments, several have commented in no uncertain terms that having Armtec's operations adjacent to our land significantly degrades our property value. While, with due credit for good effort on the part of Armtec to conduct their operation in as safe a manner as possible, as we all know, very serious problems have occurred.

I do not question the sincerity of Armtec's management efforts to run a safe operation; but people are only human, so one can expect occasional mistakes will be made. (And we cannot ignore the possibility of sabotage.)

I do question, however, why Armtec is now requesting permission to place the proposed hazardous waste building so close to our property, instead of somewhere near the center

of their property. If they want to place it as far away from their main office building as posssible for their own safety reasons, we certainly do have the right to object to its being placed close to our property where buildings are being planned and people will be working!

Despite Armtec's good efforts on safety, the explosion and fires that have occurred have created a very poor image in the minds of many people in the community. This poor image carries over to others who may be interested in locating a business on our property; and this is creating a problem for us regarding lots along Armtec's boundary. Whether the concern of safety by these persons is justified or not, the fact clearly remains that Armtec's operations are of concern to them; which results not only a serious degradation of our property value; but it will likely delay and severely handicap our being able to attract good industries to this area of the City of Coachella. This should also be of concern to the City of Coachella in it's attempts to attract good industries with the attendant tax and employment benefits.

We must request, therefore, that the location of the proposed hazardous waste storage building close to our property be denied. If such a building is necessary or advisable, then please require that it be located near the center of the Armtec land, not where they have shown it on their drawing.

Further, since it is the Armtec operations that have created the concern about safety, we request that as a condition of approval for any of their new buildings or expansions, that Armtec be required to build the six foot high wall around the common property line. It seems only just and reasonable that the one creating the hazard be required to pay for the protection needed.

We will appreciate your providing the above to the Planning Commission for their consideration at the public hearing on June 6, 1991.

Sincerely yours,

Development Standards Requirements Analysis

Project Phase 2 Development – **Northern Parcel** (APN: 778-420-013)	
Urban Employment (U-E) Municipal Code Property Development Standards:	Does the project meet municipal code standards?
A.) Residential Density and Non-Residential Intensity	**Compliant**. No residential is proposed.
B.) Lot Area Requirements.	**Compliant.** Existing lot.
C.) Yard Requirements.	**Compliant**. The proposed project is setback more than the minimum 10 foot requirement along Tyler Street and Avenue 53, and side yards.
D.) Height Limits	**Compliant**. The proposed project is under the maximum 75 foot height requirement.
E.) Distance Between Buildings	**Compliant**. The proposed project provides a setback between main buildings more than 20 feet. The project is required to meet development standards for main buildings and accessory buildings.
F.) Usable Open Space.	**Compliant**. Armtec currently leases APN: 778-420-014 to the city, to provide open space.
G.) Off-Street Parking	**Compliant**. The off-street parking is sufficient, per project parking analysis provided by the applicant.
H.) All new multi-family residential development shall be designed pursuant to the City of Coachella Multi-Family Objective Design Standards.	**N/A**. The project does not propose multi-family housing.
I.) Architectural Review	**Compliant**. The project submitted Architectural Review for the project.
J.) Consistency with the Jacqueline Cochran Regional Airport Land Use Compatibility Plan.	**Compliant**. City Staff routed the project to ALUC as part of request for agency comment review. Staff found that the project is consistent with the Jacqueline Cochran Regional Airport Land Use Compatibility Plan.
K.) Other Property Development Standards	**Compliant**. The proposed project is enclosed within buildings, except for off-street parking and loading facilities in compliance with this section.

The following standards of development shall apply in the U-E (Urban Employment) zone:

A. Residential Density and Non-Residential Intensity.

1. Minimum Density. Thirty (30) dwelling units/acre.
2. Maximum Density. Sixty-five (65) dwelling units/acre.
3. Maximum non-residential FAR. 2.0.

B. Lot Area Requirements.

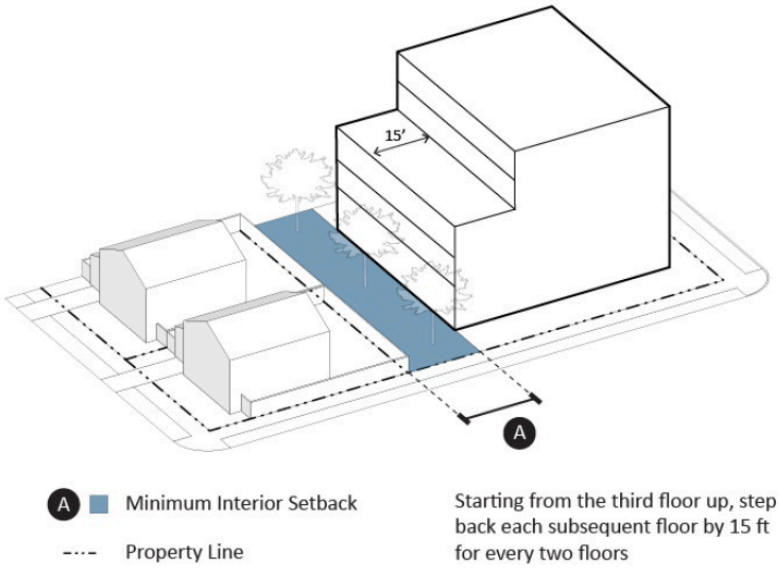
1. Developments with stand-alone commercial or light industrial uses or mixed uses shall have a minimum site area of twenty thousand (20,000) square feet.
2. Stand-alone multiple-family residential developments shall have a minimum site area of ten thousand (10,000) square feet.

C. Yard Requirements.

1. Front Yard. Where one or both adjoining zones are residential, a yard shall be provided which is equal in depth to the average of the required front yards of the adjoining zones.
2. Side Yard. Where a parcel in the U-E (Urban Employment) zone adjoins a street or residential zone, there shall be a side yard of not less than ten (10) feet on the side or sides adjoining said street or residential zone. In the case of a reversed corner lot, the side yard adjoining the street shall be not less than the required front yard of the adjoining key lot to the rear.
3. Rear Yard. Where a parcel in the U-E (Urban Employment) zone adjoins a residential zone, there shall be a rear yard of not less than ten (10) feet adjoining that residential zone. This shall not apply where there exists a public alley separating the two zones.
4. Permitted Encroachments in Required Yards. The yards required in subsections 1—3 of this section may be used as part of an automobile parking area, provided however that a minimum three-foot wide screen planting strip shall be maintained adjacent to the street right-of-way lines.

D. Height Limits.

1. The maximum height of all buildings shall be five stories, or seventy-five (75) feet, whichever is less, except that for properties adjacent to a single-family zone, starting from the third floor up, each subsequent floor shall be stepped back by fifteen (15) feet for every two floors. See diagram below:



2. The maximum height of all accessory structures shall be one story, or fifteen (15) feet, whichever is less. Accessory structures exceeding fifteen (15) feet may be approved up to thirty-five (35) feet subject to Architectural Review by the Planning Commission.
3. The maximum height of accessory dwelling units shall be per Section 17.60.010.H. (Accessory Dwelling Units)

E. Distance Between Buildings.

1. Between two main buildings: Twenty (20) feet.
2. Between a main building and an accessory structure, or between two accessory structures: Fifteen (15) feet.

F. Usable Open Space.

1. Greater than twenty-five thousand (25,000) square feet non-residential portion of developments shall provide three percent of the gross building area as usable open space. Common open space may be utilized for employees or publicly accessible open space. If the open space is over one thousand (1,000) square feet and provided as publicly accessible, up to fifty (50) percent may count toward the required residential common open space (if in a mixed-use project).
2. Multifamily developments shall provide a minimum of one hundred fifty (150) square feet total per unit, minimum one hundred twenty (120) square feet of private open space required for ground-level units and sixty (60) square feet of private open space for upper-level units. The remaining area shall be provided as common open space. Portions of spaces required under the yard and distance between buildings provisions of this section may be included in the calculation of usable open space, provided they are integrated with and clearly usable as part of a larger area.
3. Usable Open Space Standards:

a. Usable open space may be provided as private outdoor living areas, balconies, de or as common recreational-leisure areas. Except in the case of balconies, such areas shall be landscaped.

b. Usable open space, when provided as common recreational leisure area, may extend into the required front yard to within five feet of the front lot line, subject to the following provisions:

i. No more than forty (40) percent of the required front yard may be so used.

ii. No permanent structures, except swimming pools and those structures required by law, shall be permitted in the required front yard.

iii. Such areas shall be screened from the street and adjacent properties by landscaping and/or decorative fencing of a maximum height of forty-two (42) inches, except where a greater height is required by law.

iv. The remaining portion of the required front yard, except for access drives and walks, shall be landscaped and maintained.

G. Off-Street Parking. Off-street parking shall be provided for each dwelling unit or commercial use subject to the requirements of Section 17.54.010 of this title.

H. All new multi-family residential development shall be designed pursuant to the City of Coachella Multi-Family Objective Design Standards.

I. Architectural Review. All development in the U-E (Urban Employment) zone is subject to architectural review as set forth in Section 17.72.010 of this title.

J. Consistency with the Jacqueline Cochran Regional Airport Land Use Compatibility Plan.

1. If a project is located in the Jacqueline Cochran Airport Compatibility zones, densities, intensities, and prohibited uses shall be consistent with criteria in the airport land use compatibility plan for the Jacqueline Cochran Regional Airport, including applicable Countywide criteria as may exist at the time of project review.

K. Other Property Development Standards.

1. All uses shall be conducted entirely within a completely enclosed building, except for off-street parking and loading facilities, and certain uses permitted subject to a conditional use permit.

(Ord. No. 1204, § 3(Exh. A.1), 7-26-23)

Project Phase 2 Development – **Southern Parcel** (APN: 778-420-008)	
Manufacturing Service (M-S) Municipal Code Property Development Standards:	Does the project meet municipal code standards?
A.) Non-Residential Intensity	**Compliant**. The project is below FAR requirements.
B.) Lot Area Requirements.	**Compliant.** Existing lot.
C.) Yard Requirements.	**Compliant**. The proposed project is setback more than the minimum 10 foot requirement along Tyler Street, and side yards.
D.) Height Limits	**Compliant**. The proposed project is under the maximum 75 foot height requirement.
E.) Distance Between Buildings	**Compliant**. The proposed project provides a minimum 8 foot separation between buildings.
F.) Off-Street Parking	**Compliant**. The off-street parking is sufficient, per project parking analysis provided by the applicant.
G.) Walls and Screening	The existing site has existing chain-link fencing, and the applicant does not propose any changes to the existing chain-link fence.
H.) Other Property Development Standards	**Compliant**. A condition of approval required for this project includes installing soil stabilizer at regular intervals or as needed to prevent dust. The initial study for the project finds that the project would not be detrimental to the public health, safety, or general welfare.
I.) Architectural Review	**Compliant**. The project submitted Architectural Review for the project.
J.) Non-storefront retailer and non-storefront retail microbusiness	**N/A**. The project does not propose a non-storefront retailer and non-storefront retail microbusiness

The following standards of development shall apply in the M-S (Manufacturing Service) zone:

A. Non-Residential Intensity.

1. Maximum FAR. 1.0.

B. Lot Requirements.

1. Minimum Lot Size. Ten thousand (10,000) square feet.
2. Minimum Lot Width. None.
3. Minimum Lot Depth. None.
4. Maximum Lot Coverage. None.

C. Yard Requirements. None, except in the following instances:

1. Where an M-S (Manufacturing Service) zone abuts upon a street or highway where two-thirds of the property in the block on the opposite side of the street is zoned residential, a yard shall be provided of ten (10) feet in depth.
2. Where an M-S (Manufacturing Service) zone abuts upon a street or highway and where one or both adjoining zones are residential, a yard shall be provided which is equal in depth to the average of the required yards of the adjoining zones.
3. Where an M-S (Manufacturing Service) zone abuts upon a Major Arterial, Major Arterial with Enhanced Bicycle Facilities, Primary Arterial, and Primary Arterial with Enhanced Bicycle Facilities as designated on the circulation element of the general plan, a yard of ten (10) feet in depth shall be provided.
4. Where an M-S (Manufacturing Service) zone directly abuts a residential zone, there shall be a yard of not less than thirty (30) feet adjoining that zone. This shall be reduced to twenty (20) feet where there exists a public alley separating the two zones.
5. Permitted Encroachments in Required Yards. The yards required in subsections 1—3 of this section may be used as part of an automobile parking area, provided however that a minimum three-foot wide screen planting shall be maintained adjacent to the planned highway right-of-way line.

D. Height Limits.

1. The maximum height of any buildings or structures located within one hundred fifty (150) feet of any residential zone shall be two stories or thirty-five (35) feet, which ever is less. Vehicular rights-of-way shall be included in calculating distance.
2. The maximum height of all other buildings or structures shall be fifty (50) feet.

E. Distance Between Buildings. No requirements, except that buildings not actually adjoining shall be provided with a minimum eight-foot separation.

F. Off-Street Parking and Loading. Off-street parking and loading facilities shall be provided in accordance with the provisions of Section 17.54.010.

G. Walls and Screening.

1. Where an M-S (Manufacturing Service) zone abuts upon any residential zone there shall be provided a solid masonry wall not less than six feet nor more than eight feet in height along the zone boundary. Said wall shall be reduced to forty-two (42) inches in height within a required yard adjacent to a street or highway.
2. Where property in an M-S (Manufacturing Service) zone is used for operations incidental to a primary permitted use, as a storage yard, or where material necessary to the conduct of a primary permitted use is stored outside, there shall be provided screening not less than six feet or more than eight feet in height. Said screening shall screen storage areas from adjacent residential and/or commercial zones.

H. Other Property Development Standards.

1. No structure originally designed or intended for residential purposes shall be occupied by uses permitted in this zone, except when used as a dwelling by a proprietor, manager or custodian or custodian of a permitted use.
2. No use shall be established in any M-S (Manufacturing Service) zone which causes or emits any dust, gas, smoke, fumes, odors, noises, vibrations, electromagnetic disturbance, radiation, or other similar effects which are or may be detrimental to the public health, safety, or general welfare. All uses shall be continuously maintained so that they are neither obnoxious nor offensive by reason of the above emissions.
3. All lot area not in use by buildings shall be paved, planted, or otherwise surfaced to eliminate dust. Use of gravel, decomposed granite and similar materials is permitted, subject to continuous maintenance in a neat and sightly manner. Use of oil is permitted only where treated areas will not be visible from public streets, or adjacent residential or commercial zones. Yards and off-street parking and loading areas shall be treated as required in this title.

I. Architectural Review. All development in the M-S (Manufacturing Service) zone is subject to architectural review as set forth in Section 17.72.010 of this title.

J. Non-storefront retailer and non-storefront retail microbusiness. A non-storefront retailer or non-storefront retail microbusiness shall have a minimum of one hundred (100) feet separation from any residential structure; be at least five hundred (500) feet from any other storefront retail or non-storefront retail cannabis business; and may not be located in the City's Pueblo Viejo District. For purposes of this chapter, "Pueblo Viejo District" shall be that area in the city bounded by Cesar Chavez Street to the south, First Street to the west, Grapefruit Boulevard to the north, and Nineth Street to the east.

(Prior code § 050.03; Ord. No. 1161, § 5, 5-27-20; Ord. No. 1195, § 6, 7-27-22; Ord. No. 1204, § 3(Exh. A.1 26-23)

STAFF REPORT
6/4/2025

TO: Planning Commission Chair and Commissioners

FROM: Vanessa Sanchez-Meza, Planning Technician

SUBJECT: Resolution No. PC 2025-09: Request for Conditional Approval of Conditional Use Permit No. 391 Taqueria Allende 2 – Type 41 ABC License

SPECIFICS: Request for conditional approval for Conditional Use Permit No. 391 to allow liquor sales (ABC Type 41, On-Sale Beer & Wine – Eating Place) within an existing 1,680 square-foot restaurant located at 83103 Avenue 48 Ste 1A (Assessor Parcel Number 612-220-010) and determining that the proposed project is compliant with California Environmental Quality Act (CEQA) Guidelines Section 15301 (Existing Facilities). Applicant: Teresa Leon Huerta

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STAFF RECOMMENDATION:

Staff recommends that the Planning Commission adopt Resolution No. PC 2025-09 approving Conditional Use Permit (CUP) No. 391 to allow a liquor sales license (Type 41, On-Sale Beer & Wine – Eating Place) at Taqueria Allende 2 restaurant located at 83103 Avenue 48 Ste 1A, pursuant to the findings and conditions in the below staff report and the attached resolution.

BACKGROUND:

Taqueria Allende 2 is an existing restaurant within the Neighborhood Commercial (C-N) zone located at 83103 Avenue 48 Ste 1A (APN 612-220-010). The current owner took over an existing business, Taqueria Guerrero, on March 10th, 2025. The establishment had a previous Type 47 (On sale General Eating Place) alcohol license from Taqueria Guerrero, which was surrendered and is now transferred to a new location.

Per City of Coachella Municipal Code Section 17.74.05.A.2, establishments that currently sell liquor but which propose to change the type of liquor to be sold by changing the type of retail liquor license within a license classification must obtain a CUP. The applicant is requesting the approval of the conditional use permit for the Type 41 alcohol license, and does not want the existing Type 47 alcohol license at the site.

DISCUSSION/ANALYSIS:

The applicant, Teresa Leon Huerta, submitted a request for a CUP to allow the ABC Type 41 On-Sale Beer & Wine – Eating Place) at the existing Taqueria Allende 2 restaurant on April 15, 2025.

The restaurant has a zoning designation of Neighborhood Commercial (C-N). The C-N zone allows for liquor sales with the approval of a CUP. In December of 2016, the City adopted an ordinance requiring a Conditional Use Permit for any off-sale and on-sale alcohol sales establishment, with additional land use regulations contained in Section 17.74.015 of the Coachella Municipal Code. The CUP findings are required to be made by the Planning Commission.

The subject site is located within Census Tract 452.26 with a population of 6,528 persons, where ABC concentration standards allow a maximum of 6 on-sale licenses, where 4 active on-sale licenses exist. The applicant is not applying for an off-sale license, however there are 3 active off-sale licenses where ABC concentration standards allow a maximum of 3 off-sale licenses.

Table 1 – On-Sale Alcohol Licenses

On-Sale Alcohol License within Census Tract 452.26			
	Business Name	**Address**	**License Type**
1	Walmart	83053 Avenue 48	86 (Instructional Tasting)
2	Desert Wings Inc.	83097 Avenue 48, Ste D2	41 (Beer & Wine)
3	Joe's Sushi the Cabo Way	83103 Avenue 48, Ste 1F	58 (Caterer's Permit)
4	Joe's Sushi the Cabo Way	83103 Avenue 48, Ste 1F	47 (General)

Table 2– Off-Sale Alcohol Licenses

Off-Alcohol License within Census Tract 452.26			
	Business Name	**Address**	**License Type**
1	L&G Desert Enterprises	49900 Jackson Street	20 (Beer & Wine)
2	Walmart	83053 Avenue 48	21 (General)
3	Tower Market 915	83498 Avenue 50	21 (General)

Section 17.74.015.B of the Coachella Municipal Code states that on-sale establishments may not fall within 700 feet, measured from property line to property line, of a use for religious worship, school (public or private), park, playground, residential or any similar sensitive use nor can the establishment fall within 700 feet of an existing liquor, on-sale use. Section 17.74.015.C of the Municipal Code states that the Planning Commission may find that the public benefit outweighs the distance restrictions of subsection 17.74.015.B upon additional findings that:

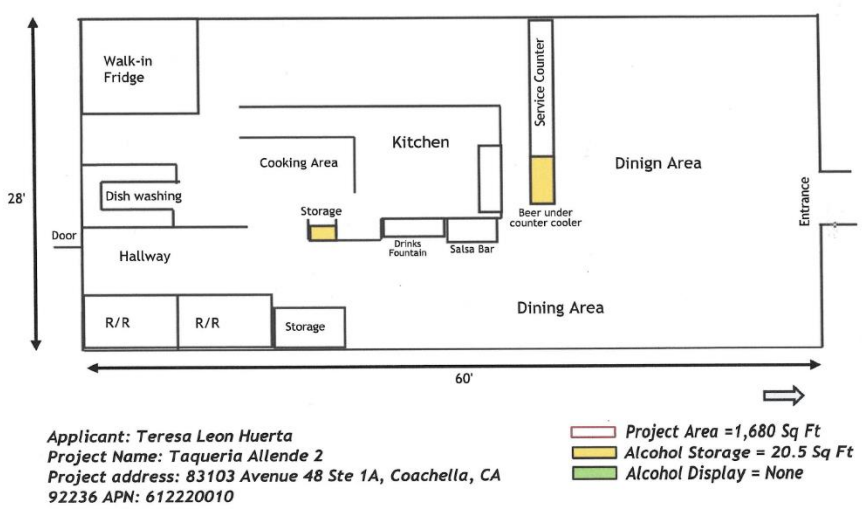
I. The establishment provides a substantial benefit to the immediate neighborhood not provided by another existing establishment within the restricted distance; and

II. Not greater than five percent of the sales floor area or 1,000 square feet, whichever is less, shall be used for the display or sale of alcoholic beverages.

The subject site is within 700 feet of the following on-sale liquor uses: Joe's Sushi the Cabo Way (neighboring property), Wingstop, and Walmart. The subject site is within 700 feet of Tierra Del Sol community (appromiately 231 feet to the south and 296 feet to the east) and the Villa Montego community (553 feet to the north). .

The floor plan for Taqueria Allende 2 restaurant includes a total floor area of 1,680 square feet (SF). There is no alcohol display, storage will be located within a storage room and stored under the service counter in a cooler, and will not be within the sales floor area. The establishment is proposing to utilize 20.5 sq. ft. for alcohol storage and does not exceed the 5% maximum sales floor area (84 SF) that may be dedicated to alcohol.

Image 1 - Floor Plan



Staff contacted Lieutenant Vasquez with the Riverside County Sheriff Office regarding any concerns for the proposed business that the Planning Commission may want to consider when making findings or including conditions of approval for the CUP. Lieutenant Vasquez identified no recommendations. At the time of the publication of this staff report, no comments have been received from the public with any concerns regarding the approval of the proposed CUP for Type 41 (On-Sale Beer & Wine – Eating Place) alcohol sales.

Previously, the establishment held a Type 47 (On-Sale General – Eating Place) liquor license and was in compliance with the Department of Alcohol Beverage Control (ABC) standards. Per the Department of ABC website, the establishment has no operating restriction and no history of disciplinary actions, disciplinary history, or active holds.

Hours of Operation:

Taqueria Allende 2 is open Monday, Wednesday, and Friday from 8:00 AM to 8:00 PM; Tuesday and Thursday from 8:00 AM to 9:00 PM; and Saturday and Sunday from 7:00 AM to 8:00 PM.

Environmental Setting:

The subject business is located at 83103 Avenue 48 Ste 1A within the within the Jackson Square commercial center. The General Plan Land Use Designations, Zoning Designations, and Existing uses are identified below:

Table 2 – General Plan, Zoning, and Surrounding Existing Uses

	General Plan	Zoning	Surrounding Existing Uses
Site:	Neighborhood Center	Neighborhood Commercial	Commercial
North:	City of Indio	City of Indio	Single Family Residential (Villa Montego)
South:	Suburban Neighborhood	Suburban Neighborhood	Single Family Residential (Tierra Del Sol)
East:	Suburban Neighborhood	Suburban Neighborhood	Single Family Residential (Tierra Del Sol)
West:	City of Indio	City of Indio	Commercial (Walgreens)

Parking:

In the Neighborhood Commercial zone, restaurants are required to provide One space for each forty-five (45) square feet of customer area, plus one space for each two hundred (200) square feet of noncustomer area. The subject site has a total area of 1,680 SF, with about 780 SF being for customer area, and 900 square feet being noncustomer area; which would require the subject site to provide 22 parking spaces. There are a total 93 parking spaces are provided on-site. The existing parking on the property and within the downtown district provides adequate parking for this use.

Site Improvements:

During a staff site visit to Taqueria Allende 2 commercial building, staff observed unpermitted signage and uneven exterior paint in between the signage. A comment letter was sent out the applicant on May 20th, 2025 with planning comment #12 notifying the applicant that a building permit is required for signage.

PUBLIC HEARING NOTICE:

A public hearing notice for the Project was published in the Desert Sun, the newspaper of record, on May 25, 2025, and a public hearing notice was mailed to property owners within a radius of 300 feet of the subject property on May 21st, 2025, pursuant to Section 17.74.010 of the Coachella Municipal Code. At the time of issuance of this staff report, staff had not received public comments on this application.

ENVIRONMENTAL REVIEW:

Staff has determined that the proposed project is categorically exempt from environmental review pursuant to the guidelines of the California Environmental Quality Act as "Existing Facilities"

(CEQA Guidelines, Section 15301). The proposed project consists of the operation, licensing and minor alteration of an existing private commercial structure involving negligible or no expansion of existing or former commercial use on the property. The subject site has been used for commercial retail establishments and no exterior expansions are proposed.

ALTERNATIVES:

1) Approve Resolution No. PC 2025-09 that approves CUP No. 391 with the findings and conditions as recommended by Staff.

2) Approve Resolution No. PC 2025-09 that approves CUP No. 391 with the findings and conditions as recommended by Staff with modifications as proposed by the Planning Commission.

3) Deny the approval of Resolution No. PC 2025-09 and request that staff prepare a Planning Commission Resolution for denial of CUP No. 391.

3) Issue a continuance for this item and provide staff and the applicant with direction.

CONCLUSIONS AND RECOMMENDATIONS:

Based on the analysis contained herein and the findings listed below, staff is recommending that the Planning Commission approve CUP No. 391 with the findings and conditions listed in Resolution No. PC 2025-09. Staff recommends that the Planning Commission makes the findings that the public convenience or necessity is justified to issue the Type 41 license (On-Sale Beer & Wine – Eating Place). Furthermore, the Sherriff's Department has not raised concerns about granting the CUP for Type 41 alcohol sales at this site.

Attachments:

1. Attach 1 - Resolution No. PC 2025-09
2. Attach 1 – Exhibit A - Conditions of Approval PCRESO 2025-09 CUP 391
3. Attach 1 – Exhibit B – Floor Plan
4. Attach 2 - Vicinity Map
5. Attach 3 - Site Photos
6. Attach 4 – Sherrif Comments

RESOLUTION NO. 2025-09

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF COACHELLA, CALIFORNIA CONDITIONALLY APPROVING CONDITIONAL USE PERMIT NO. 391 TO ALLOW LIQUOR SALES (ABC TYPE 41, ON-SALE BEER AND WINE– EATING PLACE) WITHIN AN EXISTING 1,680 SQUARE-FOOT RESTAURANT LOCATED AT 83103 AVENUE 48 STE 1A, AND DETERMINING THAT THE PROPOSED PROJECT IS CATEGORICALLY EXEMPT PURSUANT TO CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) GUIDELINES SECTION 15301 (EXISTING FACILITIES)

WHEREAS, on April 15th, 2025, the applicant Teresa Leon Huerta, filed an application for a Conditional Use Permit No. 391 (CUP No. 391) to allow for a Type 41 (On-Sale Beer and Wine – Eating Place) liquor license for the existing Taqueria Allende 2 restaurant located at 83103 Avenue 48 Ste 1A (APN 612-220-010); and

WHEREAS, the establishment has a land use designation of Neighborhood Center pursuant to the City of Coachella General Plan; and

WHEREAS, the establishment has a zoning designation of Neighborhood Commercial (C-N) pursuant to the City of Coachella Municipal Code; and

WHEREAS, the Neighborhood Commercial zoning designation allows for alcohol sales with the approval of a conditional use permit pursuant to Section 17.74.05 of the City of Coachella Municipal Code; and

WHEREAS, the proposed use is consistent with and intended to implement the vision of the City's General Plan and the Municipal Code pertaining to neighborhood-scale retail, and a diverse economy and jobs center; and

WHEREAS, the proposed use is consistent with and intended to implement the vision of the Neighborhood Center General Plan by providing work and accessible goods to neighboring residents; and

WHEREAS, the proposed project is exempt from the California Environmental Quality Act (CEQA) Guidelines Section 15301 – Existing Facilities, as amended; and,

WHEREAS, a notice of a public hearing to consider the Conditional Use Permit application (CUP No. 391) was issued in accordance with Coachella Municipal Code Section 17.74.010.G, inclusive of the publication on May 25, 2025, of a legal public hearing notice published in the Desert Sun, the City's newspaper of record, and the mailing of a public hearing notice to a certified list of property owners within 300 feet of the subject properties on May 21, 2025; and

WHEREAS, on June 4th, 2025, the Planning Commission of the City of Coachella held a duly noticed public hearing on the subject application, considered written and oral comments, and facts and evidence presented by the applicant, City staff, and other interested parties; and

WHEREAS, at the Planning Commission hearing, the Applicant and members of the public were present and were afforded an opportunity to testify regarding the Project; and,

WHEREAS, at the conclusion of the public hearing and following discussion, the Planning Commission approved this Resolution for the conditional approval of the Type 41 liquor license for Taqueria Allende 2 (CUP No. 391) as conditioned, with the motion vote outcome specified in the meeting minutes for the June 4th, 2025, Planning Commission meeting.

NOW, THEREFORE, BE IT RESOLVED, that the Planning Commission of the City of Coachella, California hereby resolves, finds, and determines as follows:

Section 1. Incorporation of Recitals. The Planning Commission hereby finds that all of the facts in the Recitals are true and correct and are incorporated and adopted as findings of the Planning Commission as fully set forth in this resolution.

Section 2. CEQA Findings. The Planning Commission has independently reviewed the Notice of Exemption and the administrative record for the Proposed Use, including all oral and written comments received during the public hearing, the staff report, and all attachments thereto, which are all incorporated herein by reference and are on file with the Development Services Department for the City of Coachella, and the Planning Commission finds that:

The City of Coachella, as Lead Agency, has reviewed the Project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, outlining the three-step process for determining which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, which provides procedures for determining if a project is exempt from CEQA. It can be seen with certainty that implementing the Project would not cause a significant adverse effect on the environment because the Project involves the issuance of a Conditional Use Permit for a liquor license to an existing restaurant establishment. This action involves a negligible expansion of use. Therefore, the Project is categorically exempt from CEQA pursuant to CEQA Guidelines Section 15301 – Existing Facilities.

Section 3. Conditional Use Permit Findings. Based upon the evidence presented at the hearing, including the staff report and written and verbal testimony, which are all incorporated herein by reference, the Planning Commission hereby finds that:

1. The proposed use will not be in conflict with, but will be in harmony with and in accordance with the objectives of the General Plan because the proposed restaurant use with alcohol sales is within the Neighborhood Center land use designation according to the General Plan 2035, which allows the intended physical character to provide a comfortable, walkable environment for shoppers and diners and envisions neighborhood commercial uses mixed with high-density residential uses. The liquor sales establishment will be part of a restaurant that will serve nearby residents

2. The proposed use will be located, designed, constructed, operated and maintained so as to be compatible with the existing character of the general vicinity and shall not change the essential character of the same area because the proposed use is within the zoning designation of 'C-N' (Neighborhood Commercial) which permits restaurants subject to obtaining a conditional use permit to sell alcoholic beverages. The proposed use is located within an existing building that is compatible with the adjoining commercial uses and the conditional use permit can be revoked if any of the conditions of approval are violated.

3. Consideration has been given to harmony in scale, bulk, coverage and density, to the availability of public facilities and utilities, to harmful effect, if any, upon desirable neighborhood character, to the generation of traffic and the capacity of surrounding streets, and to any other relevant impact of development, because the existing commercial tenant space is within an existing commercial center with all infrastructure available on-site for the existing restaurant use. Additionally, there is adequate ingress and egress into and out of the existing center to maintain the adequacy of the traffic circulation system serving the proposed use.

4. Where the proposed use may be potentially hazardous or disturbing to existing or reasonably expected neighboring uses, it must be justified by the common public interest as a benefit to the community as a whole. As conditioned, the proposed use will provide for the sale of alcoholic beverages in conjunction with a restaurant use with limitations on hours of operation. As such, there will be no hazardous or disturbing effects to the existing and neighboring uses.

5. The proposed use provides vehicular approaches to the property designed for reasonable minimal interference with traffic on surrounding public streets or roads, because all approaches are in full use for the patrons of the commercial center and no alterations are proposed as part of the request to sell and/or serve alcohol at the existing 1,680 square foot restaurant and no negative effects exists. Further, there is an existing striped parking lot available for use for patrons.

6. The City of Coachella has determined that the proposed project is categorically exempt from environmental review pursuant to the guidelines of the California Environmental Quality Act as an "Existing Facilities" project (CEQA Guidelines, Section 15301). The project involves the issuance of a liquor license. The issuance of the liquor license will involve a negligible expansion of the use. Therefore, the project is categorically exempt from CEQA.

7. The establishment provides a substantial benefit to the immediate neighborhood not provided by another existing establishment within the restricted distance as the business would provide food and drink items in walking distance of nearby residences. The business would provide a significant quantity of fresh vegetables and other fresh foods options.

8. No greater than five percent of the sales floor area or one thousand (1,000) square feet, whichever is less, will be used for the display or sale of alcoholic beverages. The project

is conditioned to ensure that the display area for alcohol does not exceed the limits of the Coachella Municipal Code and requires that the Development Services Director conduct an inspection of the display prior to business operation.

Section 4. Planning Commission Approval. Based on the foregoing, the Planning Commission hereby **CONDITIONALLY APPROVES** the Conditional Use Permit application (CUP No. 391) and finds that the Project is exempt from CEQA pursuant to CEQA Guidelines Section 15301 – Existing Facilities. The Applicant shall demonstrate compliance with ALL Conditions of Approval, as set forth in "Exhibit A" and "Exhibit B" of this Resolution. Failure to demonstrate compliance with these conditions of approval may result in the delay of the Proposed Use or the rescinding of the City of Coachella's conditional use permit approval. Where the term "Applicant" is used in any condition of approval, this term shall also apply to the Property Owner, any developer, or any successor in the interest of the Applicant. It is the Applicant's or Applicant's successor in interest responsibility to fully comply with the conditions of approval unless subsequently modified in accordance with the City's required processes and procedures.

PASSED APPROVED and ADOPTED this 4th day of June 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Isela Murillo
Planning Commission Chairperson

ATTEST:

_____
Kendra Reif
Planning Commission Secretary

APPROVED AS TO FORM:

_____

City Attorney

STATE OF CALIFORNIA)
COUNTY OF RIVERSIDE) ss.
CITY OF COACHELLA)

I HEREBY CERTIFY that the foregoing Resolution No. PC 2025-09 was duly adopted by the Planning Commission of the City of Coachella at a regular meeting thereof, held on this 4th day of June 2025 by the following vote of the Planning Commission:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Kendra Reif
Planning Commission Secretary

Exhibit A - Resolution No. PC2025-09
CONDITIONS OF APPROVAL
CONDITIONAL USE PERMIT NO. 391 TAQUERIA ALLENDE 2

General Conditions

1. The applicant shall comply with all requirements and conditions of approval as included in CUP No. 391, and any modifications or extensions thereof, as listed in those Notice of Actions for the respective approval and Resolution No. PC2025-09.

2. The conditional use permit shall expire and shall become void two year following the date on which the conditional use became effective unless alcohol sales are commenced within 24 months of the effective date of this Conditional Use Permit or an extension of time is reviewed by the Planning Commission. A request for time extension shall be filed in a timely manner with applicable fees.

3. Conditional Use Permit No. 391 is an approval for the on-sale beer and wine at Taqueria Allende 2. This approval is based on the floor plan submitted for the proposed project. Violation of any of the conditions of approval shall be cause for revocation of the Conditional Use Permit. Any modifications shall be administratively reviewed and approved by the Development Services Director and include a stamped approval by the Planning Division.

4. The applicant shall defend, indemnify and hold harmless the City of Coachella, its officials, officers, employees, and agents from and against any claim, action, or proceeding against the City, its officials, officers, employees or agents to attack, set aside, void or annul any project approval or condition of approval of the city concerning this project, including but not limited to any approval or condition of approval or mitigation measure imposed by the City Council or Planning Commission. The City shall promptly notify the applicant of any claim, action, or proceeding concerning the project and the City shall cooperate fully in the defense of the matter. The City reserves the right, at its own option, to choose its own attorney to represent the City, its officials, officers, employees and agents in the defense of the City Attorney, within five days of the effective date of this approval.

5. The use shall meet the standards within the limits established by the Coachella Municipal Code as related to emissions of noise, odor, dust, vibration, wastes, fumes, or any public nuisances arising or occurring incidental to the establishment or operation.

6. Hours of operation of the store may be no earlier than 6:00 a.m. and no later than 11:00 p.m. daily.

7. The applicant shall comply with all requirements imposed by the State Department of Alcoholic Beverage Control and a review of this conditional use permit will be required

if the business results in an increase in floor area.

8. Not greater than 5% of the sales floor area, or 1,000 square feet, whichever is less, shall be used for the display or sale of alcoholic beverages. The applicant shall provide a revised floor plan with a compliant display area prior to issuance of a certificate of occupancy. The applicant shall request an inspection by the Development Services Director or designee for compliant of the store and displays with conditions of approval.

9. The applicant shall not store alcoholic beverages or boxes in sales areas beyond the 5% display limitation.

10. The exterior appearance of the structure of the proposed establishment shall not be inconsistent with the exterior appearance of commercial structures already constructed or under construction within the shopping center so as to cause blight or deterioration.

11. Allowable signs affixed to windows shall in no case exceed 20% of the occupancy frontage window area.

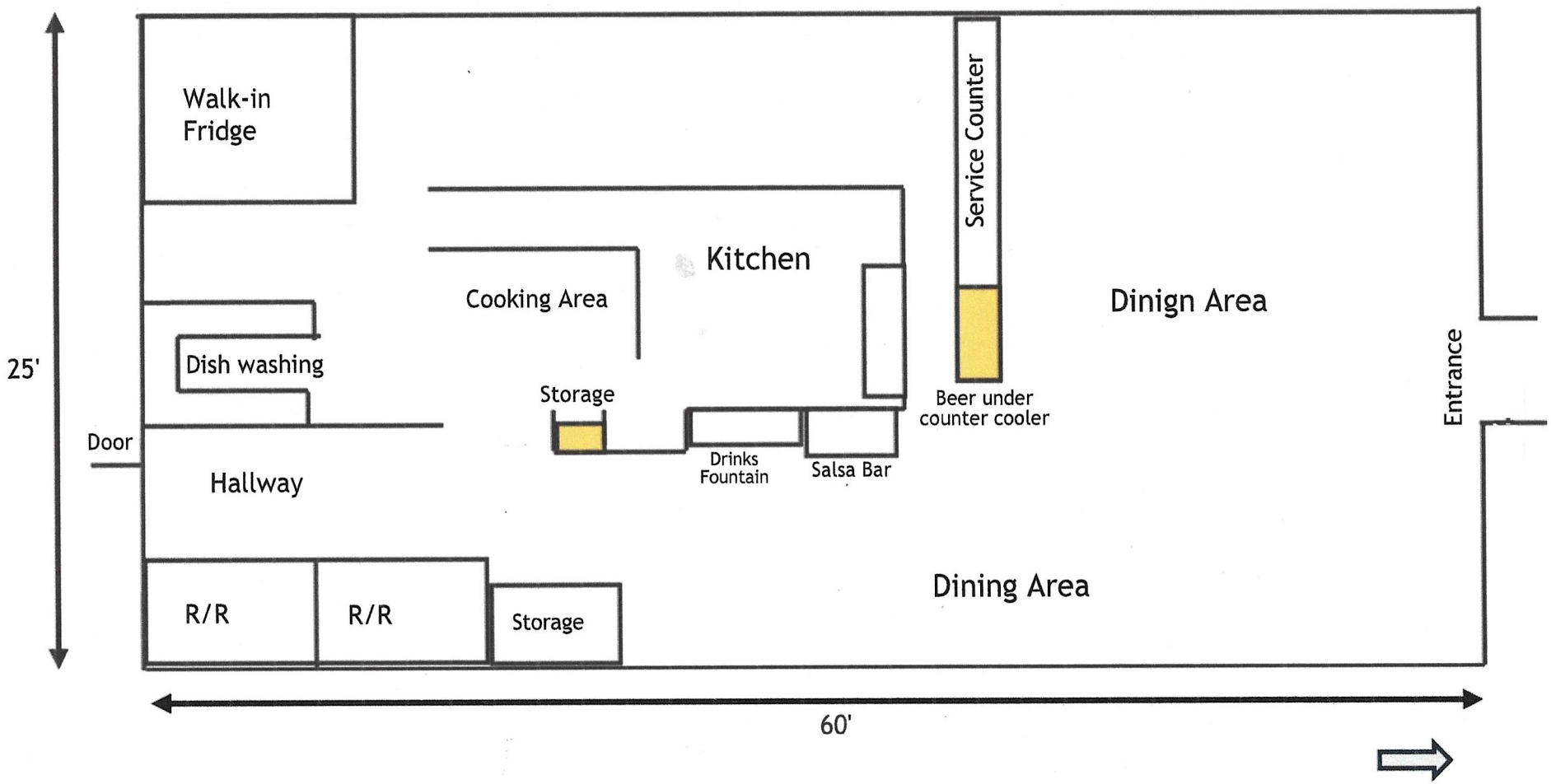
12. Any exterior wall signs shall consist of internally illuminated channel lettering and shall require a City building permit.

13. Alcohol advertisement shall be prohibited on exterior signage and below four feet in height.

Utilities Department

14. It is assumed that no new connections to the water system are required. If new connections are required, please contact the Utilities Department at 760-501-8100

15. The water meter serving this business will require the installation of a backflow device if a device is not already installed.



Applicant: Teresa Leon Huerta
Project Name: Taqueria Allende 2
Project address: 83103 Avenue 48 Ste 1A, Coachella, CA 92236 APN: 612220010

Project Area =1,680 Sq Ft
Alcohol Storage = 20.5 Sq Ft Alcohol Display =None

FLOOR PLAN



Applicant: Teresa Leon Huerta

*Project Name: **Taqueria Allende 2***
Project address: 83103 Avenue 48 Ste 1A, Coachella, CA 92236 APN: 612220010

SITE PLAN

Window Signage



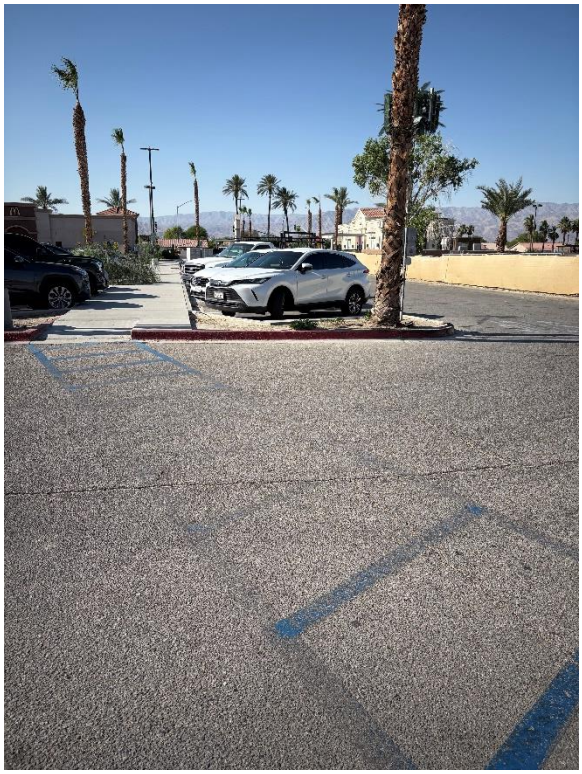
Unpermitted Main Sign





Parking Lot





From: Vasquez, Randy <rvasquez@riversidesheriff.org>
Sent: May 01 25 8:33 AM
To: Vanessa Sanchez-Meza
Subject: RE: RAC Reminder - CUP 391 Taqueria Allende 2 ABC License, Type 41

No comments.

Lieutenant Randy Vasquez #1541
Thermal Station
86625 Airport Boulevard
Thermal, CA 92274
E-mail: rvasquez@riversidesheriff.org
Office: 760-863-8990
Desk: 760-863-7962

CHAD BIANCO
SHERIFF-CORONER
RIVERSIDE COUNTY, CALIFORNIA

From: Vanessa Sanchez-Meza <vsanchez@coachella.org>
Sent: Thursday, May 1, 2025 8:27 AM
To: Andrew Simmons <asimmons@coachella.org>; Lizzandro Diaz <ldiaz@coachella.org>; Adrian Moreno <amoreno@coachella.org>; Kendra Reif <kreif@coachella.org>; Maritza Martinez <mmartinez@coachella.org>; Castulo Estrada <cestrada@coachella.org>; Abraham Vega <avega@coachella.org>; Edith Beltran <edbeltran@coachella.org>; Efrain Rodriguez <erodriguez@coachella.org>; Vasquez, Randy <rvasquez@riversidesheriff.org>; RVCPlanningSubmittals@fire.ca.gov
Cc: Molano, Angelica@CALFIRE <Angelica.Molano@fire.ca.gov>; Owens, Olivia@CALFIRE <Olivia.Owens@fire.ca.gov>; Itzel Barroso <ibarroso@coachella.org>
Subject: RAC Reminder - CUP 391 Taqueria Allende 2 ABC License, Type 41

CAUTION: This email originated from outside the **Riverside Sheriff** email system.
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REMINDER: COMMENTS DUE MAY 5th

Hello Everyone,

For your review, please find the attached Request for Agency Comments for the **CUP 391 Taqueria Allende 2 - ABC License, Type 41** project.

This submittal is for a Conditional Use Permit to be granted Public Convenience or Necessity (PCN) for a Type 41 – On Sale Beer & Wine – Eating Place Alcohol License, for the restaurant Taqueria Allende 2, to

allow the on-sales of beer, wine for consumption on or off the premises where sold at an existing 1,680 square-foot restaurant located at 83103 Avenue 48 Ste 1A. Enclosed is a floorplan showing the 1,680 square-foot restaurant with 20.5 square feet of alcoholic beverage storage, 0 square feet displayed. The restaurant hours are Monday, Wednesday, and Friday from 8:00am to 8:00pm, Tuesday and Thursday from 8:00am to 9:00pm, and 7:00am to 8:00pm on Saturday and Sundays. The restaurant currently has a Type 47, On Sale General Eating Place alcohol license, which had been surrendered and is being transferred to another location.

1st Submittal - CUP 391 - Type 41 ABC License
Session ID: 597-599-841
Session URL: https://studio.bluebeam.com/hyperlink.html?link=studio.bluebeam.com/sessions/597-599-841

Best,

Vanessa Sanchez-Meza | **Planning Technician**
City of Coachella ◦ Development Services Department
53990 Enterprise Way ◦ Coachella, CA 92236
Phone: 760-398-3102 Ext: 110
Email: vsanchez @coachella.org



Office Hours: Monday - Thursday 7:00 AM to 6:00 PM
Closed Fridays