BOARD OF PUBLIC WORKS

City of Kaukauna **Council Chambers** Municipal Services Building 144 W. Second Street, Kaukauna

Monday, June 03, 2024 at 6:00 PM

AGENDA

In-Person and Remote Teleconference via ZOOM

- 1. Correspondence.
- 2. Discussion Topics.
 - a. Special Assessment Public Hearing for Project 1-24, 2024 Concrete Street Paving.
 - b. Authorization to seek bids for Project 10-24: LaFollette Park Pickleball Courts.
 - c. 2023 Compliance Maintenance Annual Report (CMAR).
 - d. Vacating of a Drainage Easement Lot 110 Blue Stem Meadows 3.
 - e. Heart of the Valley Metropolitan Sewerage District (HOVMSD) Interceptor Project Update.
- 3. Adjourn.

NOTICES

Notice is hereby given that a majority of the City Council will be present at the meeting of the Board of Public Works meeting scheduled for Monday, June 3, 2024 at 6:00 P.M. to gather information about a subject over which they have decision making responsibility.

IF REQUESTED THREE (3) DAYS PRIOR TO THE MEETING, A SIGN LANGUAGE INTERPRETER WILL BE MADE AVAILABLE AT NO CHARGE.



MEETING ACCESS INFORMATION:

You can access this meeting by one of three methods: from your telephone, computer, or by an app. Instructions are below.

To access the meeting by telephone:

- 1. Dial 1-312-626-6799
- 2. When prompted, enter Meeting ID 234 605 4161 followed by #
- 3. When prompted, enter Password 54130 followed by #

To access the meeting by computer:

- 1. Go to http://www.zoom.us
- 2. Click the blue link in the upper right hand side that says Join a Meeting
- 3. Enter Meeting ID 234 605 4161
- 4. Enter Password 54130
- 5. Allow Zoom to access your microphone or camera if you wish to speak during the meeting

To access the meeting by smartphone or tablet:

- 1. Download the free Zoom app to your device
- 2. Click the blue button that says Join a Meeting
- 3. Enter Meeting ID 234 605 4161
- 4. Enter Password 54130
- 5. Allow the app to access your microphone or camera if you wish to speak during the meeting

Members of the public will be muted unless there is an agenda item that allows for public comment or if a motion is made to open the floor to public comment.



MEMO

Department

То:	Board of Public Works
From:	Engineering – Taylor Conger/John Neumeier
Date:	June 3 rd , 2024
Re:	Authorization to seek bids for Project 10-24: LaFollette Park Pickleball Courts

Background information:

The Engineering Department is completing plans to construct a pickleball complex at LaFollette Park. This project will include site work grading of court areas, underground drainage, placement of stone, asphalt court installation, asphalt path, acrylic court painting, fencing around and between courts, and restoration of all affected areas. A map is shown below highlighting where the proposed court locations will be located.

Strategic Plan:

These courts will provide new opportunities in the City of Kaukauna to enrich the community through the popular sport of pickleball. This will also draw people to LaFollette Park from neighboring communities to see the recent transformation of the park and all it has to offer.

Budget:

The budget for this project is \$600,000.

Staff Recommended Action:

Motion to authorize the Engineering Department to seek bids for Project 10-24, LaFollette Park Pickleball Courts.



City of Kaukauna Board of Public Works of June 4th, 2024 jb/engr dept

Agenda Item #2C 2023 Compliance Maintenance Annual Report (CMAR) to DNR

Background

Per Wisconsin DNR: Chapter NR 208, Wis. Adm. Code is more commonly known as the Compliance Maintenance Annual Report (CMAR) rule for publicly and privately owned domestic wastewater treatment works. The CMAR is a self-evaluation tool that promotes the owner's awareness and responsibility for wastewater collection and treatment needs, measures the performance of a wastewater treatment works during a calendar year, and assesses its level of compliance with permit requirements.

This report provides the following information to help:

- Describes the management and physical condition of the wastewater treatment works during the previous calendar year.
- Assesses system performance and wastewater maintenance activities.
- Evaluates compliance with WPDES permit requirements.
- Provides an objective analysis to determine whether a more detailed evaluation of the wastewater facility is needed.
- Identifies proposed actions necessary to maintain regulatory compliance.
- A new section looks at energy usage for lift stations within the system.

City of Kaukauna has achieved an overall grade of "A" in 2023 reporting, which requires no formal corrective actions. A Resolution acknowledging that the report has been completed and reviewed is required and is on the Common Council agenda tomorrow. Recommended collection system response and an overall comment/action items from the Council acknowledging the need to continue improvements to City sanitary sewer collection system is being requested.

Recommended Action

Resolution is on Tuesday night Common Council Agenda

 Receive and place on file the 2023 Compliance Maintenance Annual Report and Recommend Adoption of the "2023 Compliance Maintenance Annual Report (CMAR) Resolution" to Common Council (also attached to end of report).

RESOLUTION NO. _____

2023 COMPLIANCE MAINTENANCE ANNUAL REPORT (CMAR) RESOLUTION

WHEREAS, it is a requirement under a Wisconsin Pollutant Discharge Elimination System (WPDES) permit issued by the Department of Natural Resources for the governing body to file a Compliance Maintenance Annual Report (CMAR) for its wastewater collection system under Wisconsin Administrative Code NR 208:

WHEREAS, the governing body has reviewed the Compliance Maintenance Annual Report (CMAR);

WHEREAS, it is necessary to provide recommendations or an action response plan for the Collection Systems CMAR section grades of "C" or less and/or an overall grade point average <3.00, or if a Sanitary Sewer Overflow was reported;

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Kaukauna that the following recommendations or actions will be taken to address or correct problems/deficiencies of the wastewater treatment or collection system as identified in the Compliance Maintenance Annual Report (CMAR):

> 1) Continue systematic inspection, rehabilitation, and replacement of sanitary sewer collection system to maintain zero sanitary sewer overflows and assure capacity of the system for future growth.

Introduced and adopted this 4th day of June 2024.

APPROVED:

Anthony J. Penterman, Mayor

ATTEST: _

Sally A. Kenney, Clerk

Kaukauna Sewage	Collection System
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Last Updated: Reporting For: 5/30/2024 2023

5/30/2024	2023

Financial Management

1. Provider of Financial I	nformation			
Name:	William Van Rossum			
Telephone:	(920) 766-6312		(XXX) XXX-XXXX	
E-Mail Address				
(optional):	wvanrossum@kaukauna.gov			
 2. Treatment Works Ope 2.1 Are User Charges o treatment plant AND/OR Yes (0 points) □□ ○ No (40 points) If No, please explain: 	r other revenues sufficient to cover	⁻ O&M ex	penses for your wastewater	
2.2 When was the User	Charge System or other revenue s	ource(s)	last reviewed and/or revised?	
Year:				
2023				0
 0-2 years ago (0 poir 3 or more years ago 	-			
• N/A (private facility)				
	cial account (e.g., CWFP required s able for repairing or replacing equi ystem?			
○ No (40 points)				
	[PUBLIC MUNICIPAL FACILITIES SI	HALL CO	MPLETE QUESTION 3]	
Year: 2023 • 1-2 years ago (0 poir • 3 or more years ago	oment Replacement Fund last revie	ewed and	/or revised?	
○ N/A				
If N/A, please explain:				
3.2 Equipment Replace	ment Fund Activity			
	Reported on Last Year's CMAR		\$ 4,030,873.00	
3.2.2 Adjustments - if r audit correction, withdra	necessary (e.g. earned interest, wal of excess funds, increase	+	\$ 2,970,651.00	
making up previous sho			\$ 7,001,524.00	
3.2.3 Adjusted January	(e.g. portion of User Fee,		₩ ,,001,324.00	
earned interest, etc.)		+	\$ 4,469,729.00	

Comp	iance Maintenance Annual Report			Item
Kaukaun	a Sewage Collection System	Last Update 5/30/2024		-
replace	Subtractions from Fund (e.g., equipment ment, major repairs - use description box below*) - \$	3,594,848	.00	
	Ending Balance as of December 31st for CMAR ng Year \$	7,876,405	.00	
Equipme	ces: This ending balance should include all ent Replacement Funds whether held in a count(s), certificate(s) of deposit, etc.			
3.2.6.	1 Indicate adjustments, equipment purchases, and/or major repa	irs from 3.2.5	above.	
2023	3 Sanitary Sewer Budget, shows 2023 expenses. Detailed ledger i	s available upo	on request.	
3.3 Wł	nat amount should be in your Replacement Fund? \$	1.00		í o I
Please Assist instru heade 3.3.1 greate • Yes • No	e note: If you had a CWFP loan, this amount was originally based tance Agreement (FAA) and should be regularly updated as neede actions and an example can be found by clicking the SectionInstru- er in the left-side menu. Is the December 31 Ending Balance in your Replacement Fund ab r than the amount that should be in it (#3.3)?	on the Financia d. Further calcu ctions link unde	ulation er Info	
4.1 Du or new ● Yes ○ No	re Planning ring the next ten years, will you be involved in formal planning for construction of your treatment facility or collection system? - If Yes, please provide major project information, if not already		_	
Project #	Project Description	Estimated Cost	Approximate Construction Year	
1 [Desnoyer Street Area Utility Relay	\$1,250,000	2025	
2	Kenneth Ave/3rd Street Area	\$600,000	2024	
3 1	Manhole Lining/Repair Project	\$50,000	2024	
4	Presidential Streets Phase 2 of 2	\$800,000	2026	
	ift Station Force Main Upgrades	\$200,000		
	River Street Sanitary Sewer and Easement CIPP	\$150,000		
	Thilmany Interceptor	\$90,000		
	CE Lift Station Interceptor to KHS	\$400,000		
9	Presidential Streets Phase 1 of 2	\$700,000	2025	
5. Finar	ncial Management General Comments			1

None

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed 7

Number of Municipally Owned Pump/Lift Stations:

Kaukauna Sewage Collection System

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	12,435	
February	13,619	
March	12,600	
April	15,311	
May	13,370	
June	11,285	
July	9,738	
August	9,928	
September	11,246	
October	10,216	
November	11,785	
December	10,921	
Total	142,454	0
Average	11,871	0

6.1.2 Comments:

The City's annual sanitary sewer flows and the annual electric usage both went up roughly 2%.

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- □ Comminution or Screening
- □ Extended Shaft Pumps
- ☑ Flow Metering and Recording
- □ Pneumatic Pumping
- □ SCADA System
- Self-Priming Pumps
- Submersible Pumps
- □ Variable Speed Drives
- □ Other:

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

•	No

0	Yes
١	/ear:

By Whom:

Describe and Comment:

2023

Item 2.c.

Compliance Maintenance Annual Report		Item 2.c.	
aukauna Sewage Collection System	Last Updated:	Reporting	For:
	5/30/2024	2023	;
6.4 Future Energy Related Equipment			
6.4.1 What energy efficient equipment or practices do you have plopump/lift stations?	anned for the future for	your	

During systematic upgrades to lift stations, energy efficiency will be a determining factor for equipment.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

Kaukauna Sewage Collection System

Sanitary Sewer Collection Systems

Last Updated: Reporting For: 5/30/2024

2023

 Capacity, Management, Operation, and Maintenance (CMOM) Program 1.1 Do you have a CMOM program that is being implemented?
• Yes
○ No
If No, explain:
 1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)? Yes
 No (30 points)
If No or N/A, explain:
 1.3 Does your CMOM program contain the following components and items? (check the components and items that apply) Ø Goals [NR 210.23 (4)(a)] Describe the major goals you had for your collection system last year:
Specific 2023 Numerical Goals and Results are found in Appendix IV of the city CMOM. A summary is attached. Overall System goals:
1)No sanitary sewer overflows
2)No basement backups due to lack of mainline maintenance3)No infrastructure failure(street or sewer collapse) due to lack of maintenance
4)Maintain capacity for community and industrial growthwithin the City and HOVMSD interceptor 5)Review and update City Sewer Use /ordinance and maintain compliance with WIDNR and HOVMSD ordinances
6)Assist HOVMSD in implementation of a FOG control program.
7)Continue to identify and eliminate illegal sump discharges, cross connections, and other illicit connections
8)Design and implement an on going sewer condition evaluation program
9)Maintain an adequate budget to perform necessary maintenance of sewer system 10)Maintain and update records to ensure accurate and eficient data management
Did you accomplish them?
• No
If No, explain:
Experienced 4 basement backups in 2023 - related to system maintenance. We believe the change in maintenance schedule for this area will prevent future backups. On May 16, 2023 the City had a sanitary sewer main failure. The entire sanitary sewer line was replaced. The City is replacing sanitary sewer on an annual basis.
☑ Organization [NR 210.23 (4) (b)]□□
Does this chapter of your CMOM include:
Organizational structure and positions (eg. organizational chart and position descriptions)
☑ Internal and external lines of communication responsibilities ☑ Decence (a) responsible for reporting overflow events to the department and the public
\boxtimes Person(s) responsible for reporting overflow events to the department and the public \boxtimes Legal Authority [NR 210.23 (4) (c)]
What is the legally binding document that regulates the use of your sewer system?
Municipal Ordinance-Sewer Use Ordinance

Compliance Maintenance Annual Report	2.c.
Kaukauna Sewage Collection SystemLast Updated: Reporting For:5/30/20242023	
If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) <pre> <u>023-07-05 </u></pre>	
 2. Operation and Maintenance 2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained. Cleaning 17.9 % of system/year 	
Root removal .2 % of system/year	
Flow monitoring 100 % of system/year	

Compliance Ma	intenance Annual	Report		[ltem 2.c.
Kaukauna Sewage Co		-	Last Updated: 5/30/2024	Reporting 2023	
Smoke testing	0	% of system/year			
Sewer line televising	4.9	% of system/year			
Manhole inspections	25	% of system/year			
Lift station O&M	7	<pre># per L.S./year</pre>			
Manhole rehabilitation	1.0	% of manholes rehabbed			
Mainline rehabilitation	1.0	% of sewer lines rehabbed			
Private sewer inspections	1.75	% of system/year			
Private sewer I/I removal	1.61	% of private services			
River or water crossings	100	% of pipe crossings evalua		ned	
Please include addit	ional comments about you	r sanitary sewer collection sy	stem below:		
27.7 31.08 86 7 0 0 1 1 4 7 0 0 1 1 3.07 4.77 19.6 3.2 Performance ratio 0.00 0.01 0.01 0.05 0.31	ving collection system and Total actual amount of pre Annual average precipitat Miles of sanitary sewer Number of lift stations Number of lift station failu Number of sewer pipe fail Number of basement back Number of complaints Average daily flow in MGD Peak monthly flow in MGD Peak hourly flow in MGD (s for the past year: Lift station failures (failure Sewer pipe failures (pipe f Sanitary sewer overflows Basement backups (numb Complaints (number/sewer Peaking factor ratio (Peak	ures ures (up occurrences) (if available) (if available) if available) es/year) failures/sewer mile/yr) (number/sewer mile/yr) ver/sewer mile) er mile) Monthly:Annual Daily Avg)			
4. Overflows					1 1

Kaukauna Sewage Collection System

Last Updated: F 5/30/2024 Item 2.c.

Reporting	For:
2023	

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **					
Date	Location	Cause	Estimated Volume		
0 5/16/2023 12:16:00 PM - 5/16/2023 6:00:00 PM	1 - Plank Road, Kaukauna, WI 54130 Broken Sewer, Broken 8,6 Sewer				
** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.					
What actions were taken, or are underway, to reduce or eliminate SSO or TFO occurences in the future? The 18" concrete sanitary sewer main was replaced with 18" PVC pipe.					
 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? Yes No If Yes, please describe: I&I could be detected at metering station, specifically after rain events and changes in river level. 					
 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No 					
If Yes, please describe:					
5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:					
Approximately 4,700 feet of deteriorated clay, concrete, and truss main and approximately 113 service laterals were replaced or rehabilitated as part of the City's rehabilitation projects in 2023. In addition, some temporary manhole improvements were made in the river to reduce inflow					
5.4 What is being done to address infiltration/inflow in your collection system?					
The City continues to replace and rehabilitate the sanitary sewer and manholes throughout the City. The City has an annual sanitary sewer replacement program in place.					

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	Α

Kaukauna Sewage Collection System

Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

ANNUAL MAINTENANCE	GOALS AND PERFORMANCE MEASU	RES					
2023							
Sewer Mainline O&M							
MAINTENANCE ITEM	GOAL	% of System	2020	2021	2022	2023	Comments
Sewer Mainline Televised	1 mile per year 5% of system per year	5.0%	22,650 ft (5%)	25,239 ft (5.6%)	17,250 ft(3.8%)	22,425 ft (4.9%)	Project Areas, Subd.,CCTV
Main Line Rehabilitation and Replacement	1 mile per year	1.2%	7,200 ft (1.6%)	6,468 ft (1.4%)	5,910 ft (1.2%)	4,750 ft (1.0%)	Utility Relays on 4th, 5th, Sullivan, Hendricks, Main, Reaume, Park & Klein
Clean Main Line Sewers	10 miles per year	12%	139,100ft (31%)	82,075 ft (18%)	61,682 ft (12.5%)	81,092 ft (17.9%)	Approx. 25% of Branch lines per year
Root Cutting	TBD - Per Cleaning/Televising	TBD	5%	0%	0%	0.2%	
Flow Monitoring	TBD – Project Areas	TBD	0%	0%	0%	0%	100% metered at meter stations and lift stations -Discuss future metering options for project areas
Dye Test /Smoke Test	TBD - Visual Inspections will dictate	TBD	0 ft	0 ft	0 ft	0 ft	
Manholes O&M							
MAINTENANCE ITEM	GOAL	% of System	2020	2021	2022	2023	Comments
Visual Inspection of Critical and Easement MHs	Inspect 100% at least once annually	100%	100%	100%	100%	100%	
Visual Inspection of standard MHs	Inspect every 4 years	25%	660 (35%)	465 (25%)	300 (15%)	500 (25%)	Sewer Crew + CCTV + Project Areas
Manhole Rehabilitation/Replacement	Repair or replace 2% per year	2%	26 (1.3%)	41 (2.1%)	16 (1%)	13(1%)	Paving and Lining
Lift Station O&M							
MAINTENANCE ITEM	GOAL	# Per Year	2020	2021	2022	2023	Comments
Lift Station Inspections	2 inspections per week of each station	104 per lift station	104	104	104	104	
Lift Station O&M Check	1 maintenance check per week	52 per lift station	52	52	52	52	
Clean and Degrease Lift Stations	2 times per year each	2 per lift station	3	2	2	7	
Easement O&M							
MAINTENANCE ITEM	GOAL	% of System	2020	2021	2022	2023	Comments
Visual Inspection of Easements	Inspect twice per year	100%	100%	100%	100%	100%	
Easement Maintenance	Maintain access to each mh and mark for visibility	As needed	NA	NA	NA		
Private Lateral O&M							
MAINTENANCE ITEM	GOAL	#	2020	2021	2022	2023	Comments
Visual Inspection of Laterals	Inspect 100% of Laterals in Rehab Area	Varies	100%(14)	100% (109)	100%(139)	100% (110)	
Replace Private Laterals	Replace 95% of residential laterals - rehab project	Varies	100% (14 of 14)	85% (64 of 75)	88%(139 of 158)	84% (92 of 110)	
Inspect Private Properties for Illicit Connections	Inspect all properties within a 10 year cycle	10%	2%	2%	2%	7%	Mostly performed by Building Insp. & ENG - KU also performed 409.



MEMO

Engineering Department

To: Board of Public Works

From: John Neumeier

Date: 6-3-2024

Re: Request to vacate a rear lot drainage easement on Lot 110, Blue Stem Meadows 3, Parcel 325118149

Background information:

The resident at 2231 White Dove Lane, Lot 110 of Blue Stem Meadows, has approached the Engineering Department about building a shed in the rear yard easement on the property. In order to do so, an existing 15' wide drainage easement would need to be vacated or a variance granted. In reviewing the existing easement, it has been determined by Engineering, that the drainage easement on this property is not required for the drainage plan to function properly, is not needed for city access to maintain the same, and vacation of the same would not cause any issues with this or adjacent properties. Plan Commission has reviewed and has recommended approving this request.

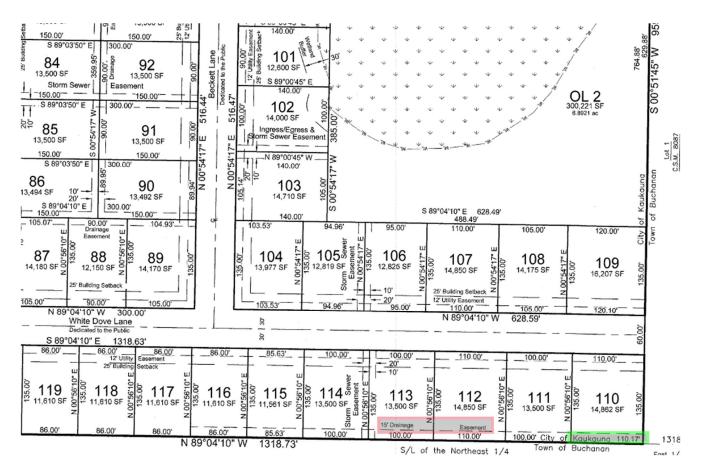
Strategic Plan: NA

Budget: NA

Staff Recommended Action:

Motion to approve vacating the 15' wide rear lot drainage easement for Parcel 325118149, Lot 110 of Blue Stem Meadows 3, and recommend the same to Common Council.

BLUE STEM MEADOWS 3 PLAT:



BLUE STEM MEADOWS 3 DRAINAGE PLAN:

