VILLAGE OF POPLAR GROVE

"A Great Place to Call Home"

VILLAGE BOARD OF TRUSTEES

Wednesday, August 17, 2022 - 7:00 PM

200 N. Hill Street, Poplar Grove, IL 61065

AGENDA

CALL TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

APPROVAL OF PHONE PARTICIPATION (Roll Call)

APPROVAL OF AGENDA (Voice Vote)

APPROVAL OF MINUTES (Voice Vote)

1. Motion to approve minutes from July 20, 2022 board meeting

PUBLIC COMMENT *Public Comment is encouraged. The Village Board will receive comments from the public, pursuant to State Statutes. Comments will be limited to five minutes on topics relating to the Village of Poplar Grove. Be further advised that matters brought up at this time may be referred to the appropriate committee or individual for further discussion or consideration.*

DEPARTMENT REPORTS

2. Wastewater, TEST Inc
3. Public Works, David Howe
4. Code and Permits, B&F
5. Treasurer, Carina Boyd
6. Clerk, Karri Anderberg
7. Engineer, McMahon
8. Attorney, Sosnowski Szeto

NEW BUSINESS

9. Discuss/approve sewer credit in the amount of $519.89 for Dean Svarc
10. Discuss/approve waving of disconnection fee of $110.00 for 113 Edson

11. Discussion on Phosphorous Discharge Optimization Plan for south waste water treatment plant
12. Discuss/approve **Resolution 2022-32** a resolution of the Village of Poplar Grove to amend a profession service agreement with McMahon Associates, Inc for design, bid and construction engineering services for the Public works building site
13. Discuss/Approve Intergovernmental Agreement with the Boone County Sheriff for E-Citation Court Fees
14. Discuss/Approve proposal from Staff Management, Inc. for sexual harassment/harassment training for Village Trustees and Village President
15. Motion to discuss/approve check disbursement for payments scheduled to be paid prior to August 30, 2022, in the amount of $165,928.96 in AP checks, $15,241.08 in insurance expense checks, and $8,944.84 EFTS for a total of $190,114.88.

GOOD OF THE VILLAGE
Planning and Zoning Meeting - August 24, 2022 6PM
Village Hall Closed September 5, 2022
Recycling Event September 9th, 10th, 11th
Board of Trustees Meeting - September 14, 2022 7pm
Board of Trustees Meeting- September 21, 2022 7pm

ADJOURNMENT (Voice Vote)

KJA 08/15/2022

VILLAGE OF POPLAR GROVE

"A Great Place to Call Home"

VILLAGE BOARD OF TRUSTEES

Wednesday, July 20, 2022 - 7:00 PM

200 N. Hill Street, Poplar Grove, IL 61065

MINUTES

CALL TO ORDER
President Sattler called the meeting to order at 7:01 pm.

ROLL CALL
PRESENT
President Don Sattler
Finance Chairman Eric Miller
Admin Chairman Ron Quimby
Trustee Ed Wethington
Trustee Dan Cheek
Trustee Betsy Straw
Attorney Roxanne Sosnowski
Deputy Clerk Katie Jaster
Public Works Director David Howe
Wastewater Operator Ion Stear
Engineer Chris Dopkins
ABSENT
Trustee Jeff Goings

PLEDGE OF ALLEGIANCE

APPROVAL OF PHONE PARTICIPATION (Roll Call)
N/A

APPROVAL OF AGENDA (Voice Vote)
Motion made by Trustee Wethington, Seconded by Finance Chairman Miller.
Motion carried by voice vote.

APPROVAL OF MINUTES (Voice Vote)

1. Motion to approve minutes from June 15, 2022 board meeting
   Motion made by Finance Chairman Miller, Seconded by Trustee Cheek.
   Motion carried by voice vote. Voting Abstaining: Trustee Wethington

PUBLIC COMMENT *Public Comment is encouraged. The Village Board will receive comments from the public, pursuant to State Statutes. Comments will be limited to five minutes on topics relating to the Village of Poplar Grove. Be further advised that matters brought up at this time may be referred to the appropriate committee or individual for further discussion or consideration.*

Becky Gratz - Thanked the Board for the new ADA sidewalks and all the drainage easement work.

Kristi Richardson - Addressed the Board with permission on the fire hydrant painting contest that would be hosted through the Lion's Club.

DEPARTMENT REPORTS

2. Building Permits & Code Enforcement, B&F Construction Code
   N/A
3. Clerk, Karri Anderberg
   N/A
4. Engineer, McMahon
   Chris gave an update about the milling work that would be done the following week.
5. Public Works, David Howe
   N/A
6. Wastewater, TEST
   Ion addressed the backups in Bel - Air and stated the were still investigating the occurrence.
7. Treasurer, Carina Boyd
   N/A

NEW BUSINESS

8. Motion to discuss/approve check disbursement for payments scheduled to be paid prior to July 31, 2022, in the amount of $183,364.33 in AP checks, $11,918.94 in insurance expense checks, and $8,944.84 EFTS for a total of $204,228.11.
   Motion made by Finance Chairman Miller, Seconded by Trustee Wethington.
   Voting Yea: Finance Chairman Miller, Admin Chairman Quimby, Trustee Wethington, Trustee Cheek, Trustee Straw

9. Motion to discuss/approve **Resolution 22-30** A Resolution of the Village of Poplar Grove resolving to retain contractors to complete sanitary sewer repairs along Park Street between Hill Street and Washington Street
   Motion made by Finance Chairman Miller, Seconded by Trustee Cheek.
   Stenstrom will work alongside other projects in Sherman Oaks to keep cost down. Nicor will reimburse a portion of the project.
   Voting Yea: Finance Chairman Miller, Admin Chairman Quimby, Trustee Wethington, Trustee Cheek, Trustee Straw

10. Motion to discuss the memorandum for the Public Works Building
Motion made by Finance Chairman Miller, Seconded by Admin Chairman Quimby.
Engineer Dopkins spoke about the cost effective measurers his office had been working on. He was looking for a consensus to move forward on the public works building to try and keep the timeline going because of the cost of materials going up.
Board members agreed to keep moving forward with the timeline.

11. Discuss abandoned cistern at 216 N. State Street
Motion made by Trustee Cheek, Seconded by Admin Chairman Quimby.
President Sattler gave briefing about the homeowner and his findings.
Attorney Sosnowski and Engineer Dopkins presented the Board members with the history on the property. They also presented their findings on legal aspects and engineer based.
Resident Eddy Batres addressed the Board about working together as a Village.
Discussion amongst the Village Board.

12. Motion to discuss/approve retention of outside counsel to investigate complaint of false accusation of sexual harassment.
Motion by President Sattler, Seconded by Trustee Straw.
Abstaining from the conversation: Finance Chairman Miller
Discussion amongst Village Board and Attorney Sosnowski.
Motion made by Admin Chairman Quimby to approve to retain legal counsel to investigate complaint, Seconded by Trustee Cheek.
Voting Yea: Trustee Straw
Voting Nay: Admin Chairman Quimby, Trustee Wethington, Trustee Cheek
Voting Abstaining: Finance Chairman Miller

GOOD OF THE VILLAGE
Boone County Fair - August 9th 2022 - August 14th 2022
Board of Trustees - August 10th 2022 - 7:00 PM
Board of Trustees - August 17th 2022 - 7:00 PM
Planning & Zoning - August 24th 2022 - 6:00 PM
Board of Trustees meeting August 17th will have a committee of the whole at 6pm.

ADJOURNMENT (Voice Vote)

KJ 07/18/2022
Motion made by Admin Chairman Quimby, Seconded by Finance Chairman Miller.
Voting Yea: Finance Chairman Miller, Admin Chairman Quimby, Trustee Wethington, Trustee Cheek, Trustee Straw
Adjournment at 8:57pm.

TEST Inc.
2323 Fourth Street
P.O. Box 483
Peru, Illinois 61354
815-224-1650
800-659-4659
FAX 815-224-1688
(SBR)testinc.com

July 6, 2022

Client: Village of Poplar Grove
Attn: Don Sattler, Village President
200 Hill Street
P.O. Box 01
Poplar Grove, IL 61065

Plant Type: Wastewater Treatment Plants: North: Class II Sequential batch reactors (SBR).
South: Class I Sequential batch reactors (SBR).
Water Treatment Plants: Well Supply with Chemical Addition in all 3 locations

For the water system you will find attached the daily inspection and monitoring reports for each of the water plants and the distribution system testing record. For the wastewater side we have included the monthly DMR for both wastewater plants.

Outlined below are the processes and actions taken during July 2022 in Poplar Grove to improve the facilities equipment beyond required and routine maintenance, testing, inspection and reporting. At times we will also list upcoming needed improvements that may need attention by the Village.

Lift Stations:

- The piping project at the south plant was completed by Sable Mechanical. No mor holes in that pipe, but we are budgeting to address the rest of the pipes in there.
- We will be setting up a time for Collins to come out and remove the grease from the lift stations this fall. We will have this done before winter.

North WWTP:

- All standard monthly checks/maintenance/cleaning and producers were completed.
- The new screen is installed and working. We had Envirocare out to do the start up 8-4-22.
- We have spent a lot of time cleaning rags out of the plant and are glad that should be over with soon.
- We had to replace a transducer for SBR1.
- We have been working with the engineers to renew the permit of the south plant.
- Tested all emergency wash stations and portable generators.
- Cleaned EQ tanks.
- Cleaned UV channel.

South WWTP:

- All standard monthly checks/maintenance/cleaning and producers were completed.
- The plumbing project for the south plant main lift station is set to be done in July some time.
- The Sam unit that is at Aqua Tec is done and needs to be picked up. We are going to get things set up to get that installed.
- We had to change out one of the Auma actuators for SBR1 at the south plant. We will send the bad one out to be repaired by Dorner Company.
- We had to change an air bag on SBR1.
- Tested all emergency wash stations.
- Sent sludge to drying bed.
- Decanted digesters.

Water System:

- Cleaned well houses.
- Lead and copper samples south system have all been collected.
- We have started to look into having the Towers inspected again. The EPA would like us to do this every 3 years. It has been 4, but we're thinking we can probably be ok as long as it's done every 5. From what I was told, we went 15 years in between inspections last time.
- All required EPA testing has been done.
- Cleaned well houses.

All operations and plant inspections have been performed by me or under my direct supervision. As always, if you have any questions concerning the above, please do not hesitate to contact me.

Submitted by,
Total Environmental Service Technologies, Inc.
Ion Stear
Certified Operator/Manager

DMR Copy of Record

Permit

Permit #:	IL0071447	Permittee:	POPLAR GROVE, VILLAGE OF	Facility:	POPLAR GROVE SOUTH STP, VILLAGE OF
Major:	Yes	Permittee Address:	200 S HILL ST POPLAR GROVE, IL 61065	Facility Location:	12211 STATE ROUTE 76 POPLAR GROVE, IL 61065
Permitted Feature:	001 External Outfall	Discharge:	001-0 STP OUTFALL		

Report Dates & Status

Monitoring Period:	From 06/01/22 to 06/30/22	DMR Due Date:	07/25/22	Status:	NetDMR Validated

Considerations for Form Completion

BOW ID: W0070150006; DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

First Name:	Ion	Title:	Certified Operator	Telephone:	815-224-1650
Last Name:	Stear				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Quantity or Loading Value 1	Quantity or Loading Qualifier 2	Quantity or Loading Value 2	Quantity or Loading Units	Quality or Concentration Qualifier 1	Quality or Concentration Value 1	Quality or Concentration Qualifier 2	Quality or Concentration Value 2	Quality or Concentration Qualifier 3	Quality or Concentration Value 3	Quality or Concentration Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample								=	8.317	=	7.87	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.								>=	6.25 MN WK AV	>=	5.0 DAILY MN	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	–	Sample						=	6.85			=	8.07	12 - SU		03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	03/DW - 3 Days Every Week	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	–	Sample	=	9.518	=	16.138	26 - lb/d			=	5.308	=	9.0	19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.	<=	250.0 MO AVG	<=	500.0 DAILY MX	26 - lb/d			<=	12.0 MO AVG	<=	24.0 DAILY MX	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	–	Sample								=	33.3	=	33.3	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	–	Sample	=	0.344	=	0.602	26 - lb/d			=	0.192	=	0.336	19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.	<=	31.0 MO AVG	<=	113.0 DAILY MX	26 - lb/d			<=	1.5 MO AVG	<=	5.4 DAILY MX	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	8 - Other Treatment, Process Complete	1	–	Sample			=	0.443	26 - lb/d					=	0.247	19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.			<=	79.0 WKLY AVG	26 - lb/d					<=	3.8 WKLY AVG	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	–	Sample	=	0.674			26 - lb/d			=	0.376			19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.	<=	21.0 MO AVG			26 - lb/d			<=	1.0 MO AVG			19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	–	Sample	=	0.215	=	0.55	03 - MGD									99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	–	Sample										=	0.0	19 - mg/L		CL/OC - Chlorination/Occurances	GR - GRAB
					Permit Req.										<=	0.05 DAILY MX	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	–	Sample										=	10.0	13 - #/100mL		03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.										<=	400.0 DAILY MX	13 - #/100mL	0	03/DW - 3 Days Every Week	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	–	Sample	=	2.896	=	3.586	26 - lb/d			=	1.615	=	2.0	19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.	<=	209.0 MO AVG	<=	417.0 DAILY MX	26 - lb/d			<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments	
No attachments.	
Report Last Saved By	
POPLAR GROVE, VILLAGE OF	
User:	ebumgarner
Name:	Elaine Bumgarner
E-Mail:	ebumgarner@testinc.com
Date/Time:	2022-07-25 13:47 (Time Zone: -05:00)
Report Last Signed By	
User:	IONSTEAR
Name:	Ion Stear
E-Mail:	istear@testinc.com
Date/Time:	2022-07-25 14:15 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	IL0071447	Permittee:	POPLAR GROVE, VILLAGE OF	Facility:	POPLAR GROVE SOUTH STP, VILLAGE OF
Major:	Yes	Permittee Address:	200 S HILL ST POPLAR GROVE, IL 61065	Facility Location:	12211 STATE ROUTE 76 POPLAR GROVE, IL 61065
Permitted Feature:	INF Influent Structure	Discharge:	INF-L INFLUENT MONITORING		

Report Dates & Status

Monitoring Period:	From 06/01/22 to 06/30/22	DMR Due Date:	07/25/22	Status:	NetDMR Validated

Considerations for Form Completion

BOW ID: W0070150006

Principal Executive Officer

First Name:	Ion	Title:	Certified Operator	Telephone:	815-224-1650
Last Name:	Stear				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00310	**BOD, 5-day, 20 deg. C**	G - Raw Sewage Influent	0	--	Sample						=	98.385					19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.							Req Mon MO AVG					19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
00530	**Solids, total suspended**	G - Raw Sewage Influent	0	--	Sample						=	67.692					19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.							Req Mon MO AVG					19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample						=	4.56	=	11.5			19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX			19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	G - Raw Sewage Influent	0	--	Sample	=	0.123	=	0.309	03 - MGD									99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

POPLAR GROVE, VILLAGE OF

User:	ebumgarner
Name:	Elaine Burngarner
E-Mail:	ebumgarner@testinc.com
Date/Time:	2022-07-25 13:48 (Time Zone: -05:00)

Report Last Signed By

User:	IONSTEAR
Name:	Ion Stear
E-Mail:	istear@testinc.com
Date/Time:	2022-07-25 14:15 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	IL0023451	Permittee:	POPLAR GROVE, VILLAGE OF	Facility:	POPLAR GROVE - NORTH WWTP, VILLAGE OF
Major:	No	Permittee Address:	PO BOX 1 POPLAR GROVE, IL 61065	Facility Location:	205 EDSON RD POPLAR GROVE, IL 61065
Permitted Feature:	001 External Outfall	Discharge:	001-0 STP OUTFALL		

Report Dates & Status

Monitoring Period:	From 06/01/22 to 06/30/22	DMR Due Date:	07/25/22	Status:	NetDMR Validated

Considerations for Form Completion

BOW ID: W0070150007; DMF LOAD LIMITS DISPLAYED.MONITORING LOCATION "1" IS FORMONTHLY AVERAGE AND DAILY MAXIMUM.MONITORING LOCATION "8" IS FORWEEKLY AVERAGE.

Principal Executive Officer

First Name:	Ion	Title:	Certified Operator	Telephone:	815-224-1650
Last Name:	Stear				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample								=	7.445	=	8.48	19 - mg/L		02/DA - 2 Days Every Week	GR - GRAB
					Permit Req.								>=	6.25 MN WK AV	>=	5.0 DAILY MN	19 - mg/L	0	02/DA - 2 Days Every Week	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	–	Sample						=	6.96			=	8.09	12 - SU		02/DA - 2 Days Every Week	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	02/DA - 2 Days Every Week	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	–	Sample	=	22.295	=	57.846	26 - lb/d			=	9.25	=	24.0	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
					Permit Req.	<=	125.0 MO AVG	<=	250.0 DAILY MX	26 - lb/d			<=	12.0 MO AVG	<=	24.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	–	Sample	=	0.735	=	3.423	26 - lb/d			=	0.305	=	1.42	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
					Permit Req.	<=	16.0 MO AVG	<=	31.0 DAILY MX	26 - lb/d			<=	1.5 MO AVG	<=	3.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	–	Sample	=	0.289	=	0.384	03 - MGD									99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	–	Sample										=	0.0	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.										<=	0.05 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	–	Sample										T					
					Permit Req.											Req Mon DAILY MX	13 - #/100mL		01/30 - Monthly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	–	Sample	=	5.724	=	12.051	26 - lb/d			=	2.375	=	5.0	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
					Permit Req.	<=	104.0 MO AVG	<=	209.0 DAILY MX	26 - lb/d			<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

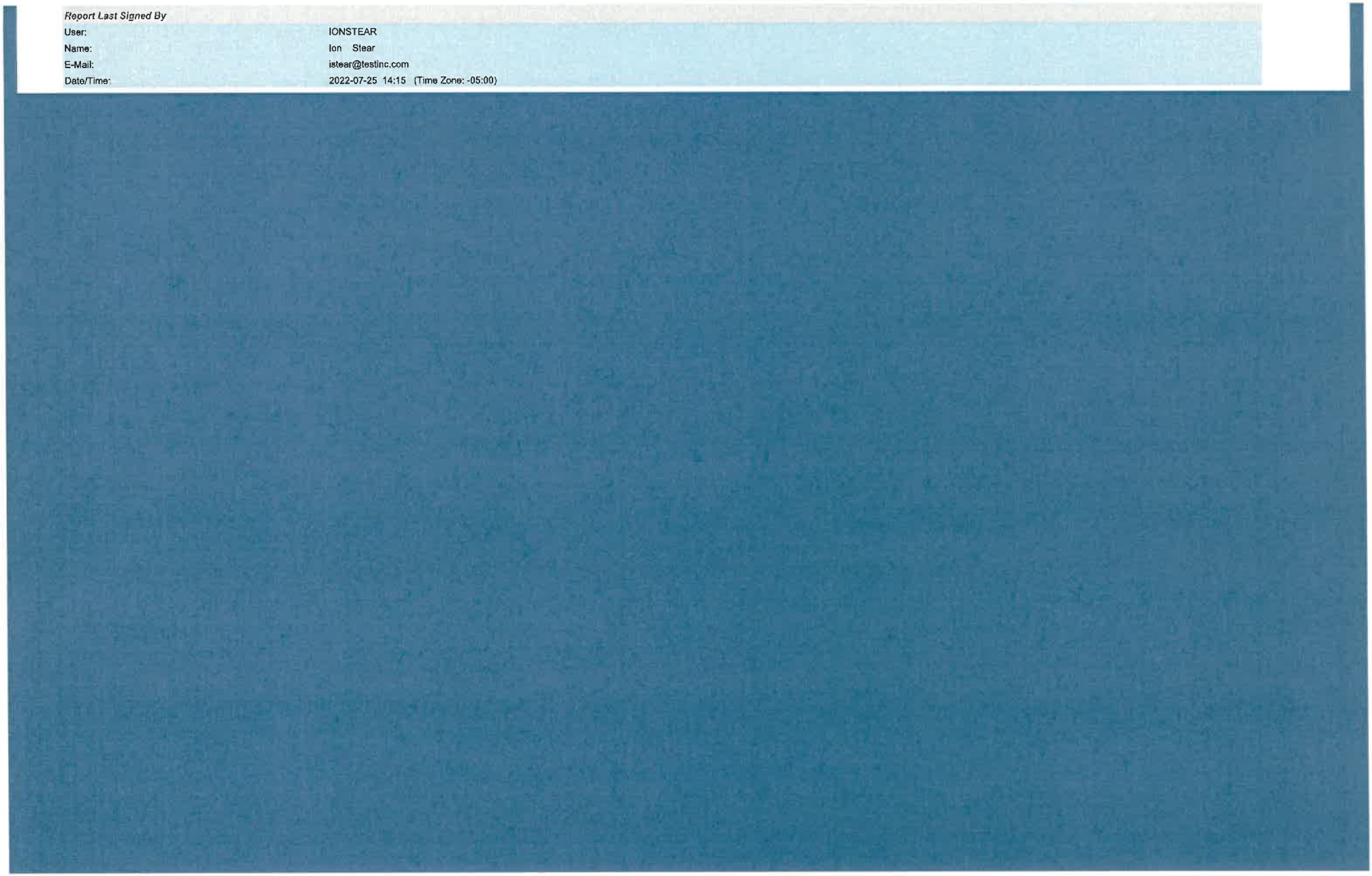
No attachments.

Report Last Saved By

POPLAR GROVE, VILLAGE OF

User:	ebumgarner
Name:	Elaine Bumgarner
E-Mail:	ebumgarner@testinc.com
Date/Time:	2022-07-25 13:43 (Time Zone: -05:00)

Report Last Signed By	
User:	IONSTEAR
Name:	Ion Stear
E-Mail:	istear@testinc.com
Date/Time:	2022-07-25 14:15 (Time Zone: -05:00)



DMR Copy of Record

Permit

Permit #:	**IL0023451**	Permittee:	POPLAR GROVE, VILLAGE OF	Facility:	POPLAR GROVE - NORTH WWTP, VILLAGE OF
Major:	No	Permittee Address:	PO BOX 1 POPLAR GROVE, IL 61065	Facility Location:	205 EDSON RD POPLAR GROVE, IL 61065
Permitted Feature:	INF Influent Structure	Discharge:	**INF-L** INFLUENT MONITORING		

Report Dates & Status

Monitoring Period:	**From 06/01/22 to 06/30/22**	DMR Due Date:	**07/25/22**	Status:	**NetDMR Validated**

Considerations for Form Completion

BOW ID: W0070150007

Principal Executive Officer

First Name:	Ion	Title:	Certified Operator	Telephone:	815-224-1650
Last Name:	Stear				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00310	**BOD, 5-day, 20 deg. C**	G - Raw Sewage Influent	0	--	Sample						=	104.625					19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
					Permit Req.							Req Mon MO AVG					19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI															
00530	**Solids, total suspended**	G - Raw Sewage Influent	0	--	Sample						=	181.5					19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
					Permit Req.							Req Mon MO AVG					19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	G - Raw Sewage Influent	0	--	Sample	=	0.162	=	0.226	03 - MGD									99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

POPLAR GROVE, VILLAGE OF

User:	ebumgarner
Name:	Elaine Bumgarner
E-Mail:	ebumgarner@testinc.com
Date/Time:	2022-07-25 13:41 (Time Zone: -05:00)

Report Last Signed By

User:	IONSTEAR
Name:	Ion Stear
E-Mail:	istear@testinc.com
Date/Time:	2022-07-25 14:15 (Time Zone: -05:00)

VILLAGE OF POPLAR GROVE - WEST **IL0070350**
FOR THE MONTH OF June 2022 **MONTHLY OPERATING REPORT**
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

		Flow Meter		Hour Meter Well 4		Chlorine Feed			Phosphate Feed			Flouride Feed		Operator
Date	Time	Reading	Pumpage	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	Initials
31-May	07:40	346498		7737.39		158.00			85			425.50		JS
1-Jun	07:40	346545	55	7738.92	1.22	157.50	0.5	0.53	83	3.00	0.95	424.20	1.30	JS
2-Jun	08:15	346600	54	7740.14	1.2	157.00	0.0	0.66	80	3.00	0.81	422.90	1.40	JS
3-Jun	08:28	346654	107	7741.34	2.66	157.00	1.0	0.28	77	5.00	0.73	421.50	3.30	JS
4-Jun	07:00	346761	65	7744	1	156.00	0.0	0.85	72	2.00	2.03	418.20	2.80	JH
5-Jun	07:15	346826	48	7745	1.45	156.00	0.0	0.75	70	4.00	1.41	415.40	1.40	JH
6-Jun	08:00	346874	50	7746.45	1.21	156.00	1.0	0.63	66	2.00	0.47	414.00	1.70	JS
7-Jun	07:30	346924	31	7747.66	0.7	155.00	0.0	0.21	64	3.00	0.86	412.30	0.70	JS
8-Jun	07:30	346955	50	7748.36	1.13	155.00	0.0	0.82	61	1.00	0.86	411.60	1.20	JS
9-Jun	08:48	347005	62	7749.49	1.31	153.00	1.0	0.70	60	4.00	0.71	410.40	1.60	JS
10-Jun	08:45	347067	29	7750.8	0.81	153.00	0.5	0.56	56	2.00	1.13	408.80	1.30	JS
11-Jun	08:30	347096	58	7751.61	1.32	152.50	0.0	1.07	54	4.00	1.29	407.50	1.80	JS
12-Jun	09:15	347154	49	7752.93	1.11	152.50	0.5	0.92	50	4.00	1.18	405.70	1.10	JS
13-Jun	08:30	347203	57	7754.04	1.37	152.00	1.0	0.81	46*100	4.00	1.15	404.60	2.30	JS
14-Jun	07:40	347260	66	7755.41	1.53	151.00	1.0	0.72	96	3.00	1.21	402.30	1.80	JS
15-Jun	07:20	347326	43	7756.94	0.97	150.00	0.0	0.78	93	6.00	2.00	400.50	0.90	JS
16-Jun	08:45	347369	42	7757.91	0.98	150.00	0.0	0.70	87	5.00	1.40	399.60	1.00	JS
17-Jun	07:00	347411	62	7758.89	1.43	150.00	1.0	0.89	82	2.00	1.30	398.60	1.90	KL
18-Jun	08:10	347473	61	7760.32	1.42	149.00	1.0	1.02	80	8.00	1.77	396.70	2.00	KL
19-Jun	07:50	347534	65	7761.74	1.51	148.00	0.0	1.57	72	2.00	1.44	394.70	2.40	KL
20-Jun	08:05	347599	66	7763.25	1.49	148.00	1.0	1.03	70	5.00	2.44	392.30	2.30	JS
21-Jun	08:00	347665	70	7764.74	1.65	147.00	0.0	0.39	65	5.00	0.91	390.00	2.20	JS
22-Jun	06:15	347735	70	7766.39	1.61	147.00	0.0	0.82	60	2.00	1.55	387.80	2.10	KL
23-Jun	08:50	347805	94	7768	2.13	147.00	1.0	0.64	58	8.00	2.02	385.70	2.90	KL
24-Jun	07:00	347899	92	7770.13	2.17	146.00	1.0	0.63	50	5.00	1.34	382.80	3.20	KL
25-Jun	08:03	347991	82	7772.3	1.91	145.00	1.0	0.40	45/100	7.00	0.92	379.60	2.90	JS
26-Jun	09:00	348073	84	7774.21	1.93	144.00	0.0	0.40	93	4.00	1.44	376.70	1.90	JS
27-Jun	08:05	348157	75	7776.14	1.76	144.00	1.0	0.49	89	6.00	1.20	374.80	0.60	JS
28-Jun	07:45	348232	88	7777.9	2.22	143.00	1.0	0.55	83	6.00	1.11	374.20	4.70	JS
29-Jun	08:10	348320	76	7780.12	1.56	142.00	1.0	0.61	77	5.00	1.11	369.50	2.20	JS
30-Jun	07:05	348396	91	7781.68	2.1	141.00	1.0	0.99	72	3.00	1.40	367.30	2.50	KL
1-Jul	08:10	348487		7783.78		140.00		1.72	69		1.37	364.80		KL
TOT			1942					23.14			39.51			
AVE			65					0.75			1.27			
MAX			107					1.72			2.44			
MIN			29					0.21			0.47			

SIGNATURE: Jon Stear
PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE - SOUTH **IL0070300**
FOR THE MONTH OF June 2022 **MONTHLY OPERATING REPORT**
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

		Flow Meter		Hour Meter Well 5		Hour Meter Well 6		Chlorine Feed			Phosphate Feed			Flouride Feed		Operator
Date	Time	Reading	Pumpage	Reading	Hours	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	Initials
31-May	08:44	556281	93	3666.6		4560.20		152.00			79			451.00		JS
1-Jun	08:51	556374	76	3667	2.2	4560.20	0	151.25	0.0	1.12	75	5.00	0.75	449.40	1.40	JS
2-Jun	07:10	556450	130	3669.2	2.1	4560.20	0	151.25	4.3	1.12	70	6.00	0.61	448.00	2.40	JS
3-Jun	07:15	556580	104	3671.3	1.7	4560.20	0	147.00	2.0	1.19	64*100	2.00	0.81	445.60	2.00	JS
4-Jun	07:00	556684	86	3673	1.3	4560.20	0	145.00	1.0	0.92	98	6.00	0.85	443.60	1.40	JH
5-Jun	07:15	556770	109	3674.3	1.7	4560.20	0	144.00	1.0	1.42	92	5.00	1.13	442.20	2.00	JH
6-Jun	09:00	556879	67	3676	0.3	4560.20	0	143.00	1.0	0.72	87	3.00	0.84	440.20	1.20	JS
7-Jun	08:30	556946	91	3676.3	0.2	4560.20	0	142.00	0.0	0.78	84	3.00	0.74	439.00	1.60	JS
8-Jun	08:25	557037	54	3676.5	2.9	4560.20	0	142.00	1.0	0.77	81	4.00	0.53	437.40	1.20	JS
9-Jun	07:50	557091	95	3679.4	1.5	4560.20	0	141.00	1.0	0.89	77	4.00	0.77	436.20	1.60	JS
10-Jun	07:10	557186	88	3680.9	1.4	4560.20	0	140.00	1.0	1.16	73	4.00	0.80	434.60	1.60	JS
11-Jun	09:05	557274	87	3682.3	1.3	4560.20	0	139.00	1.0	1.25	69	5.00	0.87	433.00	1.60	JS
12-Jun	09:55	557361	121	3683.6	1.9	4560.20	0	138.00	1.5	0.70	64	5.00	0.86	431.40	3.40	JS
13-Jun	09:20	557482	102	3685.5	1.6	4560.20	0	136.50	1.5	0.34	59*101	2.00	0.85	428.00	0.60	JS
14-Jun	08:30	557584	134	3687.1	2.2	4560.20	0	135.00	1.0	0.79	99	6.00	1.00	427.40	2.60	JS
15-Jun	08:10	557718	89	3689.3	1.4	4560.20	0	134.00	0.5	0.33	93	4.00	0.42	424.80	1.60	JS
16-Jun	07:08	557807	118	3690.7	1.8	4560.20	0	133.50	0.5	0.99	89	8.00	2.00	423.20	2.40	JS
17-Jun	07:40	557925	124	3692.5	2	4560.20	0	133.00	2.0	1.01	81	3.00	0.73	420.80	2.80	KL
18-Jun	08:20	558049	146	3694.5	2.3	4560.20	0	131.00	2.0	1.02	78	9.00	0.92	418.00	3.00	KL
19-Jun	08:10	558195	149	3696.8	2.4	4560.20	0	129.00	3.0	1.31	69	8.00	0.84	415.00	3.60	KL
20-Jun	09:00	558344	151	3699.2	2.3	4560.20	0	126.00	1.0	1.14	61	8.00	0.75	411.40	2.80	JS
21-Jun	08:55	558495	132	3701.5	2.1	4560.20	0	125.00	3.0	0.97	53*110	8.00	0.93	408.60	3.00	JS
22-Jun	07:05	558627	189	3703.6	3	4560.20	0	122.00	2.0	1.36	102	4.00	1.23	405.60	3.80	KL
23-Jun	08:00	558816	148	3706.6	2.4	4560.20	0	120.00	2.0	1.42	98	9.00	1.04	401.80	3.20	KL
24-Jun	07:40	558964	149	3709	2.3	4560.20	0	118.00	2.0	1.17	89	7.00	0.94	398.60	3.20	KL
25-Jun	07:34	559113	95	3711.3	1.5	4560.20	0	116.00	1.5	1.88	82	6.00	0.87	395.40	1.60	JS
26-Jun	09:30	559208	137	3712.8	2.2	4560.20	0	114.50	1.5	0.99	76	7.00	0.96	393.80	3.20	JS
27-Jun	08:55	559345	122	3715	1.9	4560.20	0	113.00	2.0	1.16	69	6.00	0.89	390.60	2.60	JS
28-Jun	08:50	559467	164	3716.9	2.4	4560.20	0	111.00	2.0	1.14	63	7.00	0.76	388.00	3.40	JS
29-Jun	09:15	559631	148	3719.3	2.5	4560.20	0	109.00	2.0	1.13	56/100	8.00	0.91	384.60	3.20	JS
30-Jun	08:00	559779	172	3721.8	2.7	4560.20	0	107.00	2.0	1.29	92	8.00	1.26	381.40	3.80	KL
1-Jul	07:30	559951		3724.5		4560.20		105.00		1.65	84		0.87	377.60		KL
TOT			3670				0			33.13			27.73			
AVE			118				0			1.07			0.89			
MAX			189				0			1.88			2.00			
MIN			54				0			0.33			0.42			

SIGNATURE: Jon Stear
PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE - NORTH
FOR THE MONTH OF June 2022
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

IL0070150
MONTHLY OPERATING REPORT

		Flow Meter		Hour Meter Well 2		Hour Meter Well 3		Chlorine Feed			Phosphate Feed			Flouride Feed		Operator
Date	Time	Reading	Pumpage	Reading	Hours	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	Initials
31-May	07:20	326356152.3		10062.1		27459.20		152.00			60			46.25		JS
1-Jun	07:15	326510845.3	158636	10062.1	0	27466.80	7.90	151.00	2.0	0.90	59/100	5.00	1.18	45.50	0.5	JS
2-Jun	09:00	326669481.3	145913.8	10062.1	0	27474.70	7.20	149.00	1.0	0.74	95	6.00	0.66	45.00	1.0	JS
3-Jun	09:10	326815395.1	150756	10062.1	0	27481.90	7.50	148.00	1.0	0.69	89	7.00	0.62	44.00	0.0	JS
4-Jun	07:15	326966151.1	145506.9	10062.1	0	27489.40	7.60	147.00	2.0	0.92	82	6.00	0.69	44.00	1.0	JH
5-Jun	07:20	327111658	131293.8	10062.1	0	27497.00	6.10	145.00	1.0	0.99	76	7.00	0.76	43.00	1.0	JH
6-Jun	07:15	327242951.8	135676.9	10062.1	0	27503.10	6.80	144.00	1.0	0.82	69	7.00	0.81	42.00	0.8	JS
7-Jun	07:10	327378628.7	137136.2	10062.1	0	27509.90	6.80	143.00	0.0	0.90	62/100	4.00	0.93	41.25	1.0	JS
8-Jun	07:00	327515764.9	120699.5	10062.1	0	27516.70	6.00	143.00	3.0	0.14	96	6.00	0.89	40.25	0.3	JS
9-Jun	09:15	327636464.4	157341.7	10062.1	0	27522.70	7.80	140.00	1.5	1.76	90	7.00	0.69	40.00	0.5	JS
10-Jun	09:40	327793806.1	112785	10062.1	0	27530.50	5.70	138.50	0.5	1.12	83	4.00	0.54	39.50	0.5	JS
11-Jun	08:05	327906591.1	138869.6	10062.1	0	27536.20	6.80	138.00	1.0	1.67	79	7.00	0.79	39.00	1.0	JS
12-Jun	09:00	328045460.7	158662.7	10062.1	0	27543.00	7.90	137.00	2.0	1.15	72	7.00	0.68	38.00	0.8	JS
13-Jun	07:55	328204123.4	155555.9	10062.1	0	27550.90	7.70	135.00	2.0	1.05	65/100	5.00	0.57	37.25	0.8	JS
14-Jun	07:15	328359679.3	164760.9	10062.1	0	27558.60	8.20	133.00	1.0	1.16	95	7.00	1.61	36.50	0.5	JS
15-Jun	07:00	328524440.2	184136	10062.1	0	27566.80	9.20	132.00	3.0	1.19	88	7.00	0.83	36.00	1.0	JS
16-Jun	09:15	328708576.2	133257.1	10062.1	0	27576.00	6.50	129.00	1.0	0.80	81	8.00	0.95	35.00	1.0	JS
17-Jun	06:45	328841833.3	130688.1	10062.1	0	27582.50	6.60	128.00	1.0	1.19	73	3.00	1.15	34.00	0.0	KL
18-Jun	07:55	328972521.4	187412.1	10062.1	0	27589.10	9.20	127.00	1.0	1.12	70	8.00	0.88	34.00	1.0	KL
19-Jun	06:00	329159933.5	186439.4	10062.1	0	27598.30	9.40	126.00	3.0	1.00	62	8.00	0.83	33.00	1.0	KL
20-Jun	07:30	329346372.9	189044.6	10062.1	0	27607.70	9.40	123.00	1.0	1.00	54/100	6.00	0.83	32.00	1.0	JS
21-Jun	07:40	329535417.5	185398.1	10062.1	0	27617.10	9.20	122.00	1.0	1.06	94	10.00	0.78	31.00	1.0	JS
22-Jun	06:00	329720815.6	235449.5	10062.1	0	27626.30	11.80	121.00	4.0	1.05	84	6.00	0.73	30.00	1.0	KL
23-Jun	08:50	329956265.1	155971.7	10062.1	0	27638.10	7.70	117.00	2.0	1.29	78	8.00	0.70	29.00	0.0	KL
24-Jun	07:00	330112236.8	165441.8	10062.1	0	27645.80	8.30	115.00	1.0	1.19	70	7.00	0.99	29.00	1.3	KL
25-Jun	08:21	330277678.6	142937.8	10062.1	0	27654.10	7.10	114.00	2.0	0.76	63/100	6.00	0.96	27.75	0.8	JS
26-Jun	08:40	330420616.4	146800.5	10062.1	0	27661.20	7.40	112.00	1.0	1.03	94	7.00	0.65	27.00	1.0	JS
27-Jun	07:35	330567416.9	162706.5	10062.1	0	27668.60	8.00	111.00	2.0	0.86	87	5.00	0.80	26.00	0.5	JS
28-Jun	07:20	330730123.4	175566.2	10062.1	0	27676.60	8.80	109.00	1.0	1.08	82	8.00	0.92	25.50	0.5	JS
29-Jun	07:35	330905689.6	198064.9	10062.1	0	27685.40	9.80	108.00	1.0	1.19	74	6.00	0.69	25.00	1.0	JS
30-Jun	07:00	331103754.5	227105.2	10062.1	0	27695.20	11.40	107.00	4.0	1.06	68	9.00	0.67	24.00	1.0	KL
1-Jul	07:00	331330859.7		10062.1		27706.60		103.00		1.20	59		1.45	23.00		KL
TOT			4820014				240			32.08			26.23			
AVE			160667				8			1.03			0.85			
MAX			235450				12			1.76			1.61			
MIN			112785				6			0.14			0.54			

SIGNATURE: Jon Stear
PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE **DAILY DISTRIBUTION MONITORING REPORT**
FOR THE MONTH OF June 2022
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

	North System (Wells 2 & 3)				West System (Well 4)				South System (Wells 5 & 6)					Flouride Analysis				
Date	Site #	Free Cl_2	Total Cl_2	PO_4	Site #	Free Cl_2	Total Cl_2	PO_4	Site #	Free Cl_2	Total Cl_2	PO_4	Operator Initials	1.0 mg.L Standard	Well #2	Well #3	Well #4	Well#5-6
1	Tower	0.9		1.18	Tower	0.62		0.86	Tower	0.88		1.38	JS			0.69	0.55	0.37
2	Village	0.18		1.58	Garage	0.26		1.31	Tower	0.72		1.93	JS			0.25	0.48	0.21
3	Fire Staion	0.22		1.44	Tower	0.68		0.89	Tower	0.82		1.31	JS			0.51	0.41	0.34
4																0.60	1.10	0.42
5																1.20	0.63	1.80
6	Elm	0.32		1.88	Gas Staion	0.02		0.77	Tower	0.87		0.99	JS			0.87	0.48	0.44
7	Tower	0.90		0.93	Tower	0.1		0.82	Tower	0.74		1.26	JS			0.82	0.56	0.44
8	Tower	0.89		0.14	Tower	0.88		0.92	Tower	0.69		1.16	JS			0.58	0.64	0.45
9	Tower	1.76		0.69	Garage	0.23		1.04	Tower	0.63		1.28	JS			0.28	0.50	0.47
10	Village	0.35		1.61	Tower	0.7		0.99	Tower	0.65		1.49	JS			0.61	0.49	0.46
11																0.90	0.54	0.53
12																0.22	0.53	0.24
13	Elm	0.2		1.93	Gas Station	0.49		1.23	Tower	0.53		1.35	JS			0.85	0.76	0.70
14	Tower	1.16		1.61	Tower	0.62		1.2	Tower	0.59		1.34	JS			1.50	0.78	0.67
15	Tower	1.19		0.83	Tower	0.55		1.47	Tower	0.48		1.41	JS			1.20	0.79	0.68
16	Village	1.18		1.57	Garage	0.23		1.35	Tower	0.28		2.43	JS			1.70	0.83	0.68
17	Tower	1.19		1.15	Tower	0.89		1.3	Tower	0.29		1.44	KL			0.71	0.97	0.67
18																1.10	1.10	0.71
19																0.60	1.20	0.79
20	Tower	1		0.83	Gas Station	0.29		1.6	Tower	0.31		1.24	JS			0.87	1.30	0.75
21	Elm	0.46		1.81	Tower	0.43		1.12	Tower	0.81		1.26	JS			0.40	0.77	0.64
22	Tower	1.05		0.73	Tower	0.65		1.43	Tower	0.8		1.2	KL			0.90	1.10	0.66
23	Village	0.2		1.81	Garage	0.3		1.68	Tower	0.91		1.14	KL			1.40	0.91	0.76
24	Elm	0.38		1.93	Gas Station	0.62		0.98	Tower	0.77		1.18	KL			1.00	1.10	0.68
25																0.80	0.52	0.27
26																0.92	0.67	0.44
27	Tower	0.86		0.8	Gas Station	0.24		1.44	Tower	0.73		1.17	JS			0.41	0.73	0.55
28	Tower	1.08		0.92	Tower	0.49		0.94	Tower	0.9		1.2	JS			0.61	0.63	0.45
29	Elm	0.37		1.99	Tower	0.49		1.18	Tower	0.83		1.25	JS			0.36	0.66	0.50
30	Tower	1.06		0.67	Gas Station	0.41		1.41	Tower	1.06		1.31	KL			0.47	0.39	0.21

Signature: Jon Stear
PHONE: 815-224-1650

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Public Works Report, July 2022

- Our road projects for the year began this month – Sherman Lane between State and Oak, Roger Day Dr, and Hill St between Park and Main were all scheduled for work this year.
- NTrak began repairing curb and gutter, sidewalk, and manholes the week of 7/11. This work included replacing all 4 ADA ramps at the corners of Oak and Sherman.
- Curran followed up the next two weeks with milling and repaving of all three roads as well as a patch on Summit St from a previous sanitary repair.
- The work was completed on schedule, and the work sites were well maintained and organized throughout the projects.
- Jake and Zach have continued to trim, and have been able to pick up on most of our daily tasks very quickly. They have also started in on the on-call rotation, with Jake having had a couple call outs during waters shut offs. There have been no complaints on my end with either employee.
- Jake Kasper officially left on July 22nd.
- We sat down for a face to face with local 150 on July 26th, and finalized a new contract between the village and the union. This item should be on an upcoming agenda for ratification.
- Received complaints regarding the dead-end areas of West Grove – overgrowth and poor drainage. We were able to take the skid steer down and cut all six dead ends back and create swales for drainage.
- Mowed all village owned drainage areas, as well as all main roads with the batwing the last week of July.
- Repair multiple inlets throughout the village, and restored right away areas from previous repairs.
- Ground stumps throughout the village, came back and restored with dirt, seed, and straw mat.
- Continued new build R.O.W. inspections as well as MXU installs.

- Had issues with 113 W Edson during water shut offs. More on this situation in attached document.
- On July 22nd, I went to use the outside men's bathroom – which was destroyed. I spent the next few hours cleaning the bathrooms, and still was having issues flushing the men's toilet. After taking the toilet apart, we discovered 16 vape pens, 2 lighters, and multiple cartridges inside the toilet piping. After having the bathrooms closed during non-operating hours for a week, the office staff and myself received multiple complaints and decided to re-open the bathrooms from 7-6pm all week long.
- Had some issues with Three Hammer and TCOs, but after multiple back and forth have fixed most of the issues. We will be monitoring their request and properties closely going forward, as they have tried to cut some corners and still obtain occupancy permits on a few different properties now.
- After discussions with Chris regarding the new shop, I reached out to Aaron Eckberg to discuss the current land lease agreement we have in place with him on E. Park. Crops are too tall for Chris to get in and survey the property, but Aaron is willing to harvest the 2 acres we need access to early. This will allow us to stay on the previously discussed timeline going forward.
- Finished off the month will routine mowing, and spraying and trimming areas that the village owns.

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July/August 2022

Clerk Monthly Report

General

Recycling event will be September 9, 10, 11. We will have one dumpster for electronics, 2 dumpsters for tires and 1 dumpster for small appliances. We are slowing getting all the pin files organized and we are going to be looking at permit software this fall.

FOIA

We had 3 FOIA for the month of June

1. Robin- Connie Description of requested public records: Issued building permits for both commercial and residential with a value of 100,000.00 and up. This request would like all information pertaining to these such as contractor name and addresses, property number, owner of said property, subdivision name and lot number if residential, residential demo permits. I would prefer this report by email. I am disclosing that this request is for commercial purposes.
2. Anderson Environmental – Property located at 13547, 13549, 13551, 13553 Julie Drive Shopping Center I would like any and all information related to construction, dumping, building inspections, Building permits, etc
3. Home State Bank – We are requestion a listing of Poplar Grove's building permits from January 1, 2022 to June 30, 2022. Please provide the information in an excel worksheet with the following fields: permit number, name, address, work to be done and subdivision

PERMITS

For the month of July We had 18 residential permits 2 new home construction for a total of 19 permits.

CODE

We had 7 code violations and 1 stop work order. 4 code violations have come into compliance 3 will be going to admin hearing in September or October.

McMAHON
ENGINEERS ARCHITECTS

To: **The Village President and Board of Trustees**

From: **Chris Dopkins, P.E., Village Engineer**

Re: **Engineering Report – July 2022 Activity**

Date: **August 14, 2022**

Please allow this memorandum to provide a brief summary of major activity over the past month that involves the engineering department:

- **Public Works Building:** Our field crew visited the site and found that the corn crop is too tall to collect survey data, and therefore needs to be removed. DPW Howe has since been in coordination with the landowner who advises that the crop will be removed in early September and will collect survey data shortly thereafter. A contract amended for design of the new site has been prepared and is on the August 17th agenda for Board consideration.
- **South WWTP - Phosphorus Planning:** Facility planning for the South Plant was completed in late June. The facility plan will be presented to the Trustees/Staff in August and we'll formally approve the same via resolution in September before submittal to IEPA.
- **Drainage Checks:** Our office performed drainage reviews of lots in Olson Woods subdivision.
- **Sherman Oaks Drainage Improvements:** Pre-construction meeting for the project was held in mid-July. At the time of the memorandum the project is on schedule to be completed in August.
- **Oak Lawn Mobile Home Park:** The Park has connected to the Village's public water system. We will follow up with the Park in late September to ensure that the well has been properly abandoned.
- **2022 Pavement Maintenance Program:** Contractor completed its work last week. The first payment application has been forwarded to the Village for consideration at the 8/17 Board meeting.
- **2023 CIP Planning:** DPW Howe and myself have already begun to initiate planning efforts for the 2023 Road Improvements. We think there is opportunity to partner with the County on the State Street project which will be beneficial to all parties.

SEWER CREDIT APPLICATION

Village of Poplar Grove, 200 N. Hill St., Poplar Grove, IL 61065 (815) 765-3201

DATE: 7/22/22 ACCOUNT # [redacted]

NAME: Dean Svarc

ADDRESS: 2601 Cessna PHONE: _____

LAWN WATERING: ☑

POOL FILL: ☐ DATE OF POOL FILL: _____

OTHER: ☐

METER READ BEFORE	METER READ AFTER

COMMENTS: 9,083 → 9000

FOR OFFICE USE ONLY:

SEWER COST PER GAL: $10.00 (01)

(A) CURRENT SEWER CONSUMPTION GALLONS: 58000

(B) CURRENT SEWER CONSUMPTION AMOUNT BILLED: $ 594.16 (SEWER RATE SHEET)

(C) CALCULATION (12) MONTH AVG: 9000 OR METER READ CALCULATION: _____
(ROUND AMOUT TO NEAREST 1000 GAL)

(D) AVG OR METER READ CALCULATION AMOUNT BILLED: $ 74.27 (SEWER RATE SHEET)

(E) TOTAL GALLONS USED: 49,000 (A – C)

(F) SEWER CREDIT AMTOUNT: $ 519.89 (B – D)

STAFF INITIALS: ML AUTHORIZED AND APPROVED BY: _____

PER ORD SECT. 7-4-7

History Detail Report

Monday, August 15, 2022

Location ID: CESS-002601-0000-01
Account #: [redacted]
Service Address: 2601 CESSNA CIRCLE
Customer Name: DEAN SVARC

Posted	Created	Action Read	Item - or - User Usage	Amount Other Info	Balance
07/28/22	07/28/22 12:33	Bill Calculated	06/16/22-07/15/22	$626.00	$626.00
07/16/22	07/16/22 2:11	Payment Posted	R22-100544	$95.50	$0.00
07/13/22	07/14/22 15:26	Meter Read 2748000	Sewer 58000	Auto	$95.50
06/29/22	06/29/22 11:25	Bill Calculated	05/16/22-06/15/22	$95.50	$95.50
06/16/22	06/16/22 2:29	Payment Posted	R22-099052	$104.46	$0.00
06/15/22	06/15/22 13:56	Meter Read 2690000	Sewer 8000	Auto	$104.46
05/26/22	05/26/22 13:57	Bill Calculated	04/16/22-05/15/22	$104.46	$104.46
05/16/22	05/16/22 14:41	Meter Read 2682000	Sewer 9000	Auto	$0.00
05/16/22	05/16/22 2:19	Payment Posted	R22-097481	$82.41	$0.00
04/28/22	04/28/22 12:08	Bill Calculated	03/16/22-04/15/22	$82.41	$82.41
04/16/22	04/16/22 2:30	Payment Posted	R22-096047	$92.71	$0.00
04/13/22	04/13/22 15:56	Meter Read 2673000	Sewer 7000	Auto	$92.71
03/29/22	03/29/22 11:03	Bill Calculated	02/16/22-03/15/22	$92.71	$92.71
03/16/22	03/16/22 3:21	Payment Posted	R22-094544	$113.31	$0.00
03/15/22	03/16/22 9:42	Meter Read 2666000	Sewer 8000	Auto	$113.31
02/25/22	02/25/22 11:33	Bill Calculated	01/16/22-02/15/22	$113.31	$113.31
02/16/22	02/16/22 3:26	Payment Posted	R22-093079	$123.61	$0.00
02/15/22	02/15/22 14:19	Meter Read 2658000	Sewer 10000	Auto	$123.61
01/27/22	01/27/22 11:52	Bill Calculated	12/16/21-01/15/22	$123.61	$123.61
01/17/22	01/17/22 11:53	Payment Posted	R22-091634	$113.31	$0.00
01/14/22	01/14/22 14:42	Meter Read 2648000	Sewer 11000	Auto	$113.31
12/28/21	12/28/21 10:25	Bill Calculated	11/16/21-12/15/21	$113.31	$113.31
12/17/21	12/17/21 11:38	Payment Posted	R21-090148	$103.01	$0.00
12/15/21	12/15/21 11:37	Meter Read 2637000	Sewer 10000	Auto	$103.01
11/29/21	11/29/21 13:41	Bill Calculated	10/16/21-11/15/21	$103.01	$103.01
11/17/21	11/17/21 12:06	Payment Posted	R21-088664	$103.01	$0.00
11/15/21	11/16/21 8:18	Meter Read	Sewer		$103.0

		2627000	9000	Auto	
10/28/21	10/28/21 15:28	Bill Calculated	09/16/21-10/15/21	$103.01	$103.01
10/17/21	10/17/21 11:29	Payment Posted	R21-087060	$113.31	$0.00
10/15/21	10/18/21 12:34	Meter Read	Sewer		$113.31
		2618000	9000	Auto	
09/29/21	09/29/21 12:11	Bill Calculated	08/16/21-09/15/21	$113.31	$113.31
09/17/21	09/17/21 11:50	Payment Posted	R21-085721	$103.01	$0.00
09/15/21	09/16/21 10:11	Meter Read	Sewer		$103.01
		2609000	10000	Auto	
08/27/21	08/27/21 11:03	Bill Calculated	07/16/21-08/15/21	$103.01	$103.01
08/17/21	08/17/21 12:15	Payment Posted	R21-084259	$103.01	$0.00
08/16/21	08/16/21 13:02	Meter Read	Sewer		$103.01
		2599000	9000	Auto	

Total Usage: 158,000.00

Report Generated: 8/15/2022 12:26 PM
Report Options: Posted From: 8/15/2021 To: 8/15/2022

Good morning,

My water bill was unusually high this month due to watering my lawn that was accidently killed.
After a conversation with someone in the billing department, I was told to reach out and explain the high use and how the water did not go into the sewer system for processing and for billing and have the bill reduced to a normal yearly average.
My entire lawn was accidently killed by using the wrong chemical weed killer and I had to use a significant amount (Running 24hrs a day) of water to water the newly planted lawn.
Please review the attached picture and have my bill reduced to the normal yearly average before my billing cycle is complete.
Please reply when this has been completed.

Contact me if you have any questions.

Thank you,
Dean Svarc

Michelle Dejesus
113 W Edson Street
Poplar Grove, IL 61065

August 8, 2022

VILLAGE OF POPLAR GROVE
200 HILL STREET
POPLAR GROVE, IL 61065

Re: Account # [redacted]

DEMAND FOR ACCOUNT STATUS AND RELIEF

Dear Administration,

It has come to my attention that my neighbor at 115 W EDSON had an encounter with the Water & Sewer Administration Department personnel concerning a potential water turn-off on the same property last week.

Due to community health situation reported to the serviceman, the water was not disconnected and service was uninterrupted.

Please confirm that no disconnection or turn on fee was added to the account stated above.

I am a property owner exercising my right to appeal any additional fees that may accrue to this account.

According to my payment records the account is current, in good standing, and not past due.

Sincerely,

Michelle DeJesus

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To Whom It May Concern –

On Tuesday, August 2, 2022 I attempted to turn off the water at 113 W. Edson St due to non-payment. After staff members assigned to due shut offs that morning were unable to locate the Buffalo Box, I went out at roughly 12:55 pm to locate and turn off myself. Upon arrival, Jake and Zach had uncovered the correct b-box. However, even after removing the nut and managing to key the valve, it would not turn. I tired to work it free but was unable to shut it off. At that point I put the nut back on and went to Marathon to buy some Coca Cola to pour down the b-box – letting Coca Cola sit on the valve for a couple hours usually will help free it up. By the time I had purchased the pop, Katie called to inform me that the resident at 113 had paid but was disputing the $110 fee since we did not turn her off. Per our ordinance, 6-2-4-4, the fee is still imposed if public works cannot shut off due to damaged b-box. In this situation, multiple employees made the attempt to shut the water off to no avail, myself included.

Sincerely,

David Howe
Director of Public Works
Village of Poplar Grove
200 N. Hill St.
Poplar Grove, IL 61065
Cell: 815-742-0418
Office: 815-765-3201

WELCOME TO
J&D COUNTRYSIDE
MARATHON
815-765-3729
00000040154
J AND D COUNTRYSIDE MARA
13615 RT 76
POPLAR GROVE IL 61065

< DUPLICATE RECEIPT >

	Description	Qty	Amount
T	COKE CNTR 2LR 8CT	3	10.17

Subtotal	10.17
Tax	0.79
TOTAL	**10.96**
CREDIT $	10.96

ENTRY: Swipe
CARD TYPE: MAR FLEET
AUTH TIME: 134827
ACCT NUMBER: 3500
TRANS TYPE: SALE
ODOMETER: 4444
AUTH: 085684 00
Ref #: 97000870119

Signature
I HEREBY ACKNOWLEDGE RECEIPT OF THIS INVOICE AND THE ITEM PURCHASED. I UNDERSTAND THAT I MUST PAY IN ACCORDANCE TO THE AGREEMENT I ENTERED INTO AT THE TIME THE CARD WAS ISSUED, OR TO THE TERMS OF ANY SUBSEQUENT AGREEMENT.

DEALER#: 00000040154 Term ID: 05
TEXT JOIN TO 40244
JOIN MAKEITCOUNT
REWARDS TODAY

THANKS, COME AGAIN
NEW MARATHON VISA CARD
EARN REBATES
VISIT US ON THE WEB
@JDCOUNTRYSIDE.COM
ST# Y TILL XXXX DR# 1 TRAN# 1012090
CSH: 28 8/2/22 1:48:36 PM

McMAHON
ENGINEERS ARCHITECTS

To: **The Village President and Board of Trustees**

From: **Chris Dopkins, P.E. Village Engineer**

Re: **Phosphorous Discharge Optimization Plan – South WWTP**

Date: **August 14, 2022**

As we have discussed, there has been concerted effort by the Federal EPA to reduce nutrients (Nitrogen, Potassium and Phosphorus) from being discharged into the environment. This is largely in response to Gulf Hypoxia and observed algae growth within rivers, lakes and streams in the Mississippi River Basin. As you will recall, during a routine review of the permit for the SWWTP, Test, Inc. noted that the permit contains two special conditions which are outlined below.

SPECIAL CONDITION 18. The Permittee shall develop and submit to the Agency a Phosphorus Discharge Optimization Plan within twenty-four months of the effective date of this permit. The plan shall include a schedule for the implementation of these optimization measures. Annual progress reports on the optimization of the existing treatment facilities shall be submitted to the Agency by March 31 of each year beginning 12 months from effective date of the permit. In developing the plan, the Permittee shall evaluate a range of measures for reducing phosphorus discharges from the treatment plant, including possible source reduction measures, operational improvements, and minor facility modifications that will optimize reductions in phosphorus discharges from the wastewater treatment facility. The Permittee's evaluation shall include, but not be limited to, an evaluation of the following optimization measures:

A. WWTF influent reduction measures.
   1. Evaluate the phosphorus reduction potential of users.
   2. Determine which sources have the greatest opportunity for reducing phosphorus (i.e., industrial, commercial, institutional, municipal and others).
      a. Determine whether known sources (i.e., restaurant and food preparation) can adopt phosphorus minimization and water conservation plans.
      b. Evaluate implementation of local limits on influent sources of excessive phosphorus.

B. WWTF effluent reduction measures.
   1. Reduce phosphorus discharges by optimizing existing treatment processes.
      a. Adjust the solids retention time for either nitrification, denitrification, or biological phosphorus removal.
      b. Adjust aeration rates to reduce dissolved oxygen and promote simultaneous nitrification-denitrification.
      c. Add baffles to existing units to improve microorganism conditions by creating divided anaerobic, anoxic, and aerobic zones.
      d. Change aeration settings in plug flow basins by turning off air or mixers at the inlet side of the basin system.
      e. Minimize impact on recycle streams by improving aeration within holding tanks.
      f. Reconfigure flow through existing basins to enhance biological nutrient removal.

SPECIAL CONDITION 19. The Permittee shall, within twenty-four months of the effective date of this permit, prepare and submit to the Agency a feasibility study that identifies the method, timeframe, and costs of reducing phosphorus levels in its discharge to a level consistently meeting a potential future effluent limit of 0.5 mg/L and 0.1 mg/L. The study shall evaluate the construction and O & M costs of the application of these limits on a monthly, seasonal and annual average basis.

After review, the Village authorized staff to proceed with the optimization plan and feasibility study in December of last year. These studies are in essence a miniature version of a facility plan where just about any feasible technology that can be used to limit the discharge of phosphorus is evaluated. I have attached a draft of the plan for review, and I will make a short presentation of the findings at the August 17th meeting. Well then allow 30 days for Trustee and Staff review, and hopefully the Village will formally adopt the study in September where it will then be sent to IEPA for Agency review and comment.

I look forward to discussing this item with the Board and in the meantime please do not hesitate to contact me at 636-9590 with any questions. Thank you.

Engineering Report

Wastewater Treatment Facility
Phosphorus Discharge Feasibility Study

Prepared for The

VILLAGE OF POPLAR GROVE
BOONE COUNTY | ILLINIOS

VILLAGE OF POPLAR GROVE Illinois
A Great Place to Call Home

FOR VILLAGE REVIEW
AUGUST 2022

JULY 2022

McM. No. P0013 07-21-00148.02

McMAHON ENGINEERS ARCHITECTS
McMAHON ASSOCIATES, INC.
1700 HUTCHINS RD | MACHESNEY PARK, IL 61115
PH 815.636.9590 FX 815.636.9591 MCMGRP.COM

Engineering Report

Wastewater Treatment Facility

Phosphorus Discharge Feasibility Study

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VILLAGE OF POPLAR GROVE
BOONE COUNTY | ILLINIOS

Prepared By

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MACHESNEY PARK, ILLINOIS

JULY 2022
McM. No. P0013 07-21-00148.02

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Phosphorus Discharge Feasibility Study

Prepared for The

VILLAGE OF POPLAR GROVE
BOONE COUNTY | ILLINIOS

Prepared By

McMAHON ASSOCIATES, INC.
MACHESNEY PARK, ILLINOIS

JULY 2022
McM. No. P0013 07-21-00148.02

I. INTRODUCTION

The Village of Poplar Grove owns and operates two (2) wastewater treatment facilities, the North and South Plants. The Village of Poplar Grove South Wastewater Treatment Plant (SWWTP) discharges treated effluent to Beaver Creek, a tributary to Meander Creek, under its National Pollution Discharge Elimination System (NPDES) Permit No. IL0071447.

The current NPDES Permit, which was issued on September 26, 2019 (effective October 1, 2019), contains an effluent limit for total phosphorus of 1.0 mg/L (monthly average), which will be followed by potential future effluent limits of 0.5 mg/L and 0.1 mg/L (monthly average).

The current NPDES Permit contains a Compliance Schedule, which requires submittal of a Feasibility Study by October 1, 2021, that identifies the method, timeframe, and costs of reducing phosphorus levels in its discharge to a level consistently meeting potential future effluent limits of 0.5 mg/L and 0.1 mg/L.

II. WASTEWATER TREATMENT FACILITY DESCRIPTION

A Process Flow Schematic of the Village of Poplar Grove South Wastewater Treatment Plant (SWWTP) is shown on Figure 1.

The Village of Poplar Grove SWWTP includes the following major unit processes:

- Influent Pumping

- Screening and Grit Removal
- Sequencing Batch Reactors (SBR)
- Post Equalization
- ABF Sand Filter
- UV Disinfection
- Aerobic Digestion
- Sludge Dryer Bed

The influent design criteria for the SWWTP are summarized below:

- Average Flow, mgd 1.0
- Maximum Flow, mgd 2.5
- Average BOD, ppd Unknown – Poplar Grove Unable to Provide Data
- Average TSS, ppd Unknown – Poplar Grove Unable to Provide Data
- Average TP, ppd Unknown – Poplar Grove Unable to Provide Data

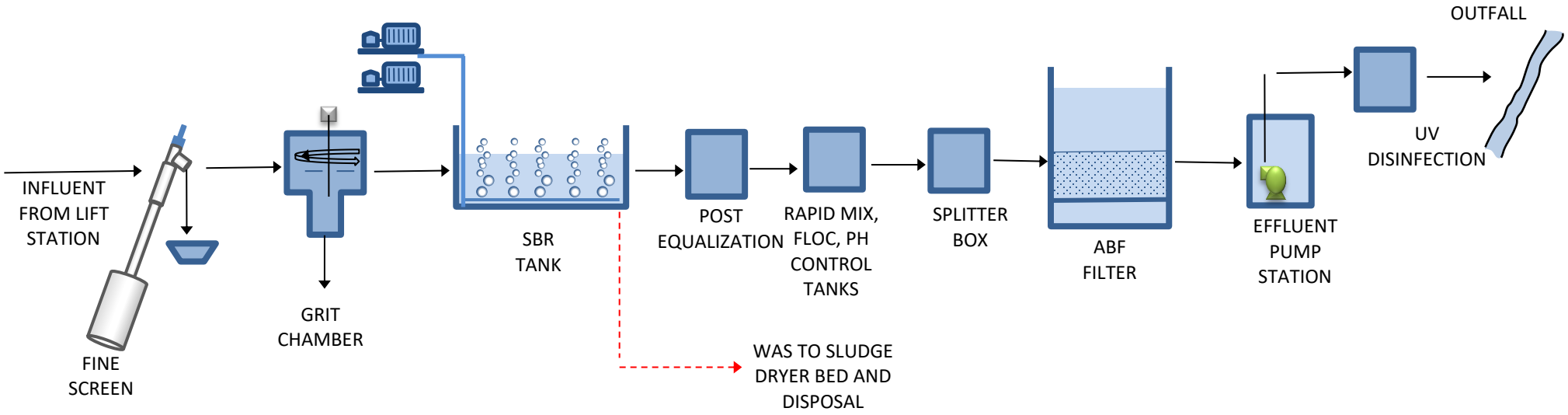

Figure 1
SOUTH WATERWATER TREATMENT PLANT
PROCESS FLOW SCHEMATIC
VILLAGE OF POPLAR GROVE, IL
McM. No. P0013 07-21-00148.02

III. WASTWATER TREATMENT FACILITY INFLUENT FLOWS AND LOADINGS

Influent flows and loadings from January 2019 through December 2021 are summarized in Table 1, below. For the 3-year period, the average influent flow was 0.214 mgd, which is 21% of the original WWTP average design flow capacity of 1.0 mgd. The average TSS, BOD and TP loadings from January 2019 through December 2021 is 409 lbs./day, 173 lbs./day and 9 lbs./day, respectively.

Table 1
Summary of WWTP Influent Flows and Loadings
2019 through 2021

VILLAGE OF POPLAR GROVE
Wastewater Treatment Facility – Discharge Feasibility Study

Parameters	2019	2020	2021	Average	Maximum
Flow, mgd					
Average	0.313	0.200	0.128	0.214	--
Max Month	0.448	0.317	0.211	--	0.448
Max Day	0.961	0.830	0.634	--	0.961
BOD_5, lbs./day					
Average	245	131	144	173	--
Max Month	345	167	188	--	345
Max Day	1,220	633	668	--	1,220
TP, lbs./day					
Average	13*	8	6	9	--
Max Month	16*	20	10	--	20
Max Day	20*	119	52	--	119
TSS, lbs./day					
Average	741	295	191	409	--
Max Month	1,394	540	319	--	1,394
Max Day	7,887	1,432	1,446	--	7,887

*Includes November through December 2019 data only.

IV. WASTEWATER TREATMENT FACILITY PERFORMANCE

Effluent flows and loadings from January 2019 through December 2021 are summarized in Table 2, below. The monthly effluent flows and loadings and discharge concentrations are summarized in Appendix I, Table I-1, attached.

The SWWTP has been able to maintain an average effluent phosphorus concentration of 0.43 mg/L from January 2019 through to December 2021. The SWWTP has been able to consistently meet a monthly average effluent concentration below 0.5 mg/L in 2019, 2020, and 2021, with the exception

of November 2020 through February 2021. The chemical pump was not functioning during this period, not allowing chemical to be delivered to the system, as needed.

Table 2
Wastewater Treatment Facility Performance – Effluent Discharge
2019 through 2021

VILLAGE OF POPLAR GROVE
Wastewater Treatment Facility – Discharge Feasibility Study

Parameters	2019	2020	2021	Average	Maximum
Flow, mgd					
Average	0.321	0.262	0.235	0.273	--
Max Month	0.439	0.357	0.359	--	0.439
Max Day	1.221	0.928	2.045	--	2.045
BOD_5, mg/L					
Average	1.50	3.43	3.07	2.67	--
Max Month	2.88	5.00	18.00	--	18.00
Max Day	6.00	5.00	18.00	--	18.00
TP, mg/L					
Average	0.25	0.55	0.48	0.43	--
Max Month	0.42	1.52	1.29	--	1.52
Max Day	1.03	2.22	2.83	--	2.83
TSS, mg/L					
Average	2.60	5.25	4.04	3.96	--
Max Month	4.69	7.07	5.83	--	7.07
Max Day	22.00	15.00	12.00	--	22.00
NH_3-N, mg/L					
Average	0.29	0.47	0.16	0.31	--
Max Month	1.44	2.45	0.39	--	2.45
Max Day	6.64	9.89	1.89	--	9.89
TKN, mg/L					
Average	0.72	1.79	0.92	1.14	--
Max Month	1.79	7.56	1.21	--	7.56
Max Day	1.79	12.20	1.33	--	12.20

V. PHOSPHORUS LOADINGS

Concentrations of phosphorus in raw municipal wastewater typically range from 4 to 15 mg/L. The usual forms of phosphorus in wastewater include Orthophosphate, Polyphosphate, and organic phosphorus, where organic phosphorus typically ranges from 25% to 33% of the total raw wastewater phosphorus and the remainder is inorganic, or a combination of Ortho and Polyphosphate.

Industrial wastes can either add, or in cases of a few phosphorus deficient discharges, dilute the total phosphorus in wastewater. Industrial wastes typically high in phosphorus include those generated from fertilizer production, meat processing, packing, milk processing, and food process wastes. It appears that there are no major industrial users contributing to the phosphorus load at the South WWTP. At this time, the phosphorus load seen in the influent SWWTP is primarily from domestic contributions only. The Village is using an orthophosphate product for water distribution system corrosion protection and is maintaining a constant dose around 0.8 to 1 mg/L.

VI. WWTP FEASIBILITY STUDY TO ACHIEVE 0.5 MG/L P

In addition to achieving biological phosphorus removal in the SBR tanks, the Village currently feeds alum to further achieve an average effluent phosphorus concentration of less than 0.5 mg/L. Approximately 27 gallons/month of alum is being dosed at the SWWTP. The current annual O&M expense for chemical addition is estimated at $37,000/year ($3,083/month).

We recommend the following additional items to enhance phosphorus removal in the SBR tanks:

- Installation of online monitoring analyzers for effluent ortho-phosphate to control the amount of alum being fed into the system.
- Modification of chemical feed location to ensure chemical is being fed to the SBR tanks at the end of the react phase.
- Conducting a complete bench scale testing of various chemical coagulants such as aluminum based and iron-based salt solution, to help determine achievable optimization P levels in the SWWTF, and to identify which coagulant provides the most efficient P removal in terms of dosing requirements and associated chemical costs.

VII. WWTP FEASIBIILTY STUDY TO ACHIEVE 0.1 MG/L P

It is very likely that the Village can reduce their effluent phosphorus discharge through optimization of their biological and chemical feed systems; however, it is unlikely that the chemical feed alone would allow the WWTP to consistently meet an effluent phosphorus limit of 0.1 mg/L. Tertiary treatment upgrades would likely be required to ensure the WWTP can consistently meet a future stringent NPDES permit effluent phosphorus limit. Therefore, the Village needs to further evaluate feasible treatment alternatives to meet a future phosphorus limit of 0.1 mg/L.

The following alternatives were evaluated for their ability to meet a future effluent phosphorus limit of 0.1 mg/L:

- Tertiary Treatment
  - Cloth Media Disk Filters
  - Continuously Backwashed Up-flow Sand filters

A. Preliminary Opinions of Cost Considerations

Preliminary Opinions of Capital and Operational Costs were developed for each treatment alternative for comparison purposes. Opinion of Capital Costs include equipment costs and construction/installation costs.

Opinion of annual costs include the costs necessary to operate the proposed tertiary treatment facilities. These costs include operation and maintenance (O&M), labor equipment parts, repairs and supply costs, chemical power, and fuel costs. The O&M costs are based upon the design criteria for each alternative and the personnel required for operating and maintaining these facilities.

It is important to note that improving solely the tertiary treatment process would be considered a small project in the way that there are not significant amounts of material involved. Small units tend to drive up unit prices, which makes it difficult to provide an accurate opinion of cost. The unit prices used in the cost estimates are what are considered conservative at the time of completing this report. Additionally, the market prices and availability are currently unstable, which adds to the difficulty of estimating project costs in advance.

The costs utilized in the analysis include the following:

- Electrical Cost $0.08 per kW hour
- Alum $3.69 per gallon
- Supplies and Parts 1% of equipment costs
- Replacement Fund 5% of equipment costs

Equipment vendor quotations were used for equipment capital costs. Mechanical, pipe and valve installation are estimated at 20% of the total equipment capital cost. Equipment installation is estimated at 40% of the total equipment capital cost. Electrical and controls are estimated at 10% of the total capital cost. General conditions are estimated at 10% of the subtotal cost. Contingency and engineering are estimated at 30% of the sum of the subtotal and general conditions cost.

B. Design Criteria

The following design criteria were used for sizing and evaluating the tertiary treatment options:

- Average Design Flow 1 mgd
- Max Flow 2.5 mgd
- Final Effluent TSS 4 mg/L
- Secondary Effluent Total Phosphorus with Chemical Addition 0.4 mg/L
- Final Effluent Total Phosphorus limit (Month Avg.) 0.1 mg/L

C. Cloth Media Disc Filter

A Cloth Media Disk Filtration System (e.g., Aqua Aerobic Systems (AASI), AquaDisc Cloth Media Filter) is a tertiary treatment process that utilizes a cloth filter media installed on multiple rotating disks. A schematic of the AASI Cloth Media Disk Filter is shown in Figure 2, below.

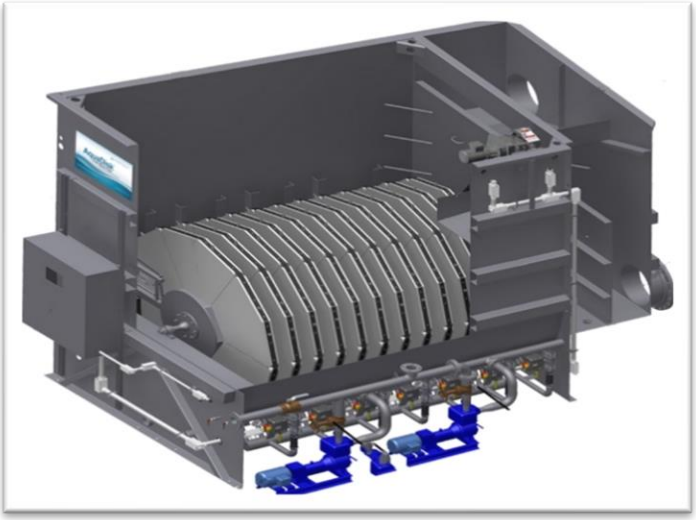

Figure 2: Aqua-Aerobic Systems AquaDisc Cloth Media Filter.

The disks can be installed in prefabricated steel or cast in place concrete tanks. During operation, chemically conditioned secondary effluent enters the filtration tank and passes through the cloth media filter, which provides a physical barrier for removing suspended solids. The filtered solids collect on the outer surface of the cloth media, forming a mat as filtrate flows through the disks. Heavier secondary effluent solids also settle to the bottom of the tank.

Flow through the disks is restricted as solids accumulate on the cloth media, causing the level in the tank to rise. At a predetermined setpoint level, a backwash cycle is initiated. During a backwash sequence, the disks rotate slowly by a chain gear drive. Backwash shoes in contact with the cloth media remove the filtered solids by vacuum pressure provided by a backwash pump. Settled solids on the bottom of the tank are removed on an intermittent basis by the backwash pump. The captured solids are returned to secondary treatment or solids handling.

Multi-point chemical addition for precipitation of phosphorus would be required to meet stringent effluent TP limits. A coagulant such as Ferric Chloride or Aluminum Sulfate (Alum), would be added to the SBR at the end of the react phase.

In this alternative, SBR effluent would flow to the post equalization basins then to the rapid mix, coagulant, and flocculation tanks were additional chemical coagulation and polymer would be dosed. Flow would then go through the disk filters and would discharge to the downstream process. A process flow schematic is shown in Figure 3, below.

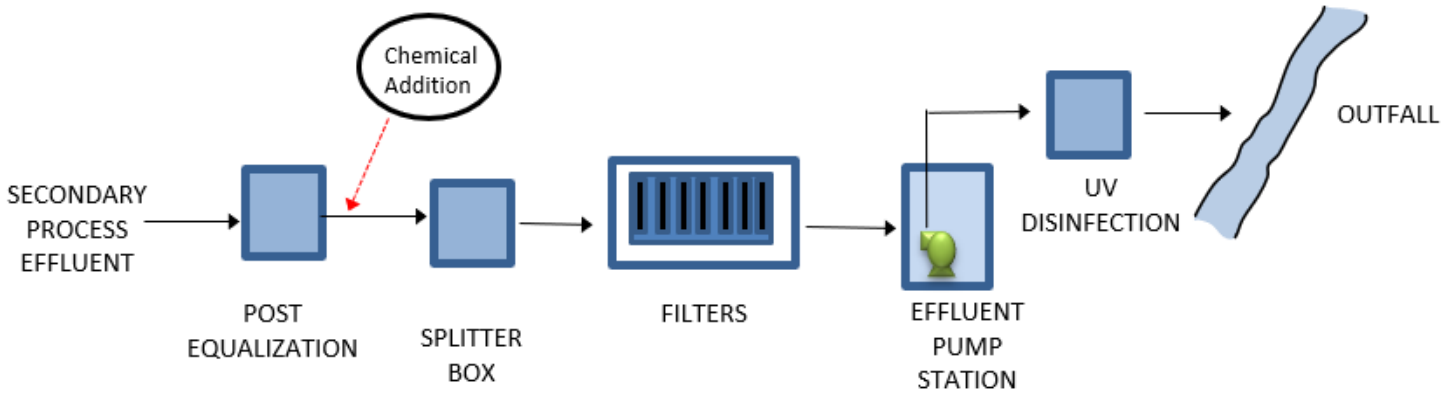

Figure 3
WATERWATER TREATMENT FACILITY
PROCESS FLOW SCHEMATIC - CLOTH MEDIA DISK FILTER
VILLAGE OF POPLAR GROVE, IL
McM. No. P0013 07-21-00148.02

Aqua-Aerobic Systems (AASI) was contacted to evaluate the feasibility of installing the cloth media filter system at the Village of Poplar Grove SWWTP. To treat an average flow of 1.0 mgd and a maximum flow of 2.5 mgd, two (2) eight-disk AquaDisc Cloth Media Filters are recommended. Each filter disk has an area of 53.8 ft^2, with a total filtration area of 860.8 ft^2. The system has been designed with an average hydraulic loading rate of 0.81 gpm/ft^2, a maximum hydraulic loading rate of 2.02 gpm/ft^2, and a solid loading rate of 0.72 lbs. TSS/day/ft^2. The solid's loading rate is based on a maximum flow rate of 2.5 mgd and a maximum TSS of 22 mg/L.

The recommendation is based upon the provision to maintain a satisfactory hydraulic surface loading rate with one (1) unit out of service. The resultant hydraulic loading rate at the maximum design flow with one unit out of service is 4.0 gpm/ft^2.

In addition to the cloth media disc filters, rapid mix, coagulation, and flocculation tanks will be required for dosing of chemical coagulant and polymer. The existing tanks onsite can be used for chemical conditioning.

AASI provided a budgetary equipment cost for two (2) eight-disk AquaDisc Cloth Media Filters of $890,000 in prefabricated stainless-steel tanks. The cloth media filters can also be provided in cast in place concrete tanks at a budgetary equipment cost of $750,000. Ten percent was added to proposal costs to account for potential inflation between time of developing the cost estimate and when construction would be able to start.

This alternative will not require a new building to house the new cloth media filter equipment but can be installed directly in the ABF filter concrete tanks. Additional costs include piping, and all associated general mechanical and electrical work.

The Opinion of Probable Capital Costs are estimated at **$2,651,000**. The Opinion of Probable Annual Operation & Maintenance (O&M) Costs for power consumption, chemical, replacement, parts/supplies, and labor are **$105,000**. Refer to Table 3 for a breakdown of the Opinion of Probable Capital Costs.

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Table 3

Opinion of Probable Costs

Cloth Media Disk Filter System Alternative

Construction and Equipment Costs	
Demolition and Disposal	$83,000
Disk Filter Equipment *(in prefabricated stainless-steel tanks)*	$979,000
Mechanical, Pipe & Valve Installation	$196,000
Equipment Installation	$392,000
Electrical & Controls	$204,000
Subtotal	**$1,853,000**
General Conditions	$189,000
Engineering & Contingency	$612,000
Total Capital Cost	**$2,651,000**

Annual Operation and Maintenance Costs	
Labor	$9,000
Power	$5,000
Chemical	$37,000
Replacement	$45,000
Parts & Supplies	$9,000
Total Annual O & M	**$105,000**

D. Continuously Backwashed Up-Flow Sand Filters

Chemically enhanced, continuously backwash up-flow sand filtration is commonly used to meet restrictive effluent phosphorus limitations. A schematic of the process is shown in Figure 4, below.

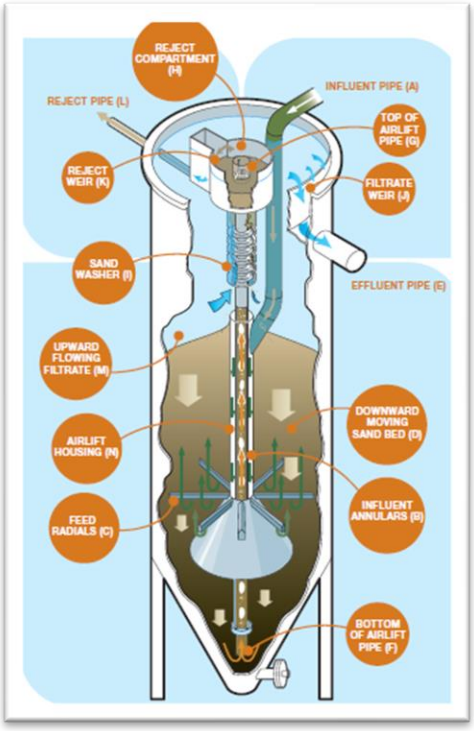

Figure 4: Continuously Backwashed Up-Flow Sand Filter.

In a continuously backwashed up-flow sand filter, the wastewater and sand travel in opposite directions. Chemically conditioned secondary effluent enters the top of the filter and flows downward through an annual section in the filter into the bottom of the sand bed through a series of slotted lateral feed radials. The radials are evenly distributed throughout the tank for an even distribution of the filter influent. Suspended solids are captured by the downward moving sand as the influent flows upward through the bed, existing at the top of the filter over a weir.

The sand bed is drawn downwards into the center of the filter and into the airlift pipe, where the sand is scoured to dislodge any attached solid particles. The sand slurry is pushed to the top of the airlift and into a reject compartment, where the heavier sand falls into the sand washer and the lighter solids are carried over the reject weir and out the reject pipe. A small amount of the polished effluent moves upwards through the sand washer carrying out the remaining reject solids as the cleaned sand is deposited back on the top of the sand bed.

Filters can be installed in series to achieve ultra-low effluent phosphorus concentrations less than 0.1 mg/L.

A process flow schematic is shown in Figure 5, below. Multi-point chemical addition for precipitation of phosphorus would be required to meet stringent effluent phosphorus limits. A coagulant such as Ferric Chloride or Aluminum Sulfate (Alum), would be added to the SBR at the end of the react phase.

SBR effluent will flow to the post equalization basin and pumped to the filters. Flow would then go through the filters and would discharge to the downstream process. Reject water and floor drains would be piped back to the head of the plant. An advantage of piping reject water back to the head of the plant is that any non-reacted chemical will react with soluble phosphorus in the raw wastewater, slightly reducing the chemical feed requirements. Upstream of the filters.

Nexom was contacted to evaluate the feasibility of installing their BluePro® filter technology at Popular Grove WWTP. To treat an average flow of 1.0 mgd and a maximum flow 2.5 mgd, eight (8) CF64-60 BluePro® filters were recommended, with a total filtration area of 512 ft^2. The system has been designed with an average hydraulic loading rate of 1.35 gpm/ft^2, a maximum hydraulic loading rate of 3.9 gpm/ft^2, and a solid loading rate of 1.3 lbs. $TSS/day/ft^2$. The solid's loading rate is based on a maximum flow rate of 2.5 mgd and a maximum TSS of 22 mg/L. The recommendation is based upon the provision to maintain a satisfactory hydraulic surface loading rate with one (1) unit out of service.

Nexom provided a budgetary equipment cost for eight (8) CF64-60 BluePro® filters for $1,197,000 in prefabricated steel. The up-flow sand filters can also be provided in cast in place concrete tanks at a budgetary equipment cost of $827,000. The equipment costs include costs associated with the chemical feed system.

This alternative will require a new 40 ft. x 25 ft. building to house the BluePro® filter technology equipment. Additional costs include piping, site restoration, a road to provide access to the building, and all associated general mechanical and electrical work.

The Opinion of Probable Capital Costs are estimated at **$5,437,000**. The Opinion of Probable Annual Operation & Maintenance (O&M) Costs for power consumption, chemical, replacement, parts/supplies, and labor are **$113,966**. A breakdown of the opinion of probable costs is provided in Table 4.

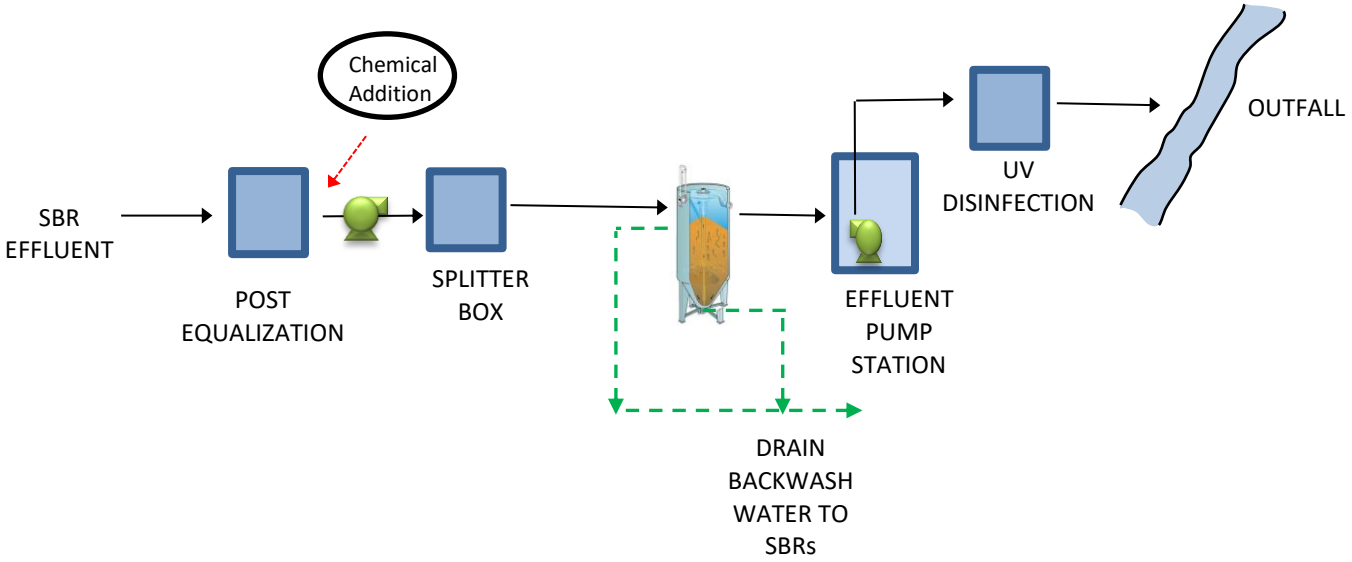

Figure 5
WATERWATER TREATMENT FACILITY
PROCESS FLOW SCHEMATIC CONTINUOUSLY BACKWASHED UP-FLOW SAND FILTER
VILLAGE OF POPLAR GROVE, IL
McM. No. P0013 07-21-00148.02

Table 4

Opinion of Probable Costs

Continuously Backwashed Up-Flow Sand Filter System Alternative

Construction and Equipment	**Cost**
Site Work	$44,000
Demolition and Disposal	$50,000
New Filter Building	$440,000
Submersible Pump Station	$275,000
Filter Feed Pumps	$110,000
Sand Filter Equipment *(in prefabricated stainless-steel tanks)*	$1,317,000
Mechanical, Pipe & Valve Installation	$448,000
Equipment Installation	$895,000
Electrical & Controls	$224,000
Subtotal	**$3,803,000**
General Conditions	$380,000
Engineering & Contingency	$1,254,000
Total Capital Cost	**$5,437,000**

Annual Operation and Maintenance Costs	
Labor	$11,970
Power	$18,626
Chemical	$5,550
Replacement	$64,850
Parts & Supplies	$12,970
Total Annual O & M	**$113,966**

VIII. OVERALL SUMMARY & SELECTED ALTERNATIVE

The current NPDES Permit, which was issued on September 26, 2019 (effective October 1, 2019), contains an effluent limit for total phosphorus of 1.0 mg/L (monthly average), which maybe follow by future effluent limits of 0.5 mg/L and 0.1 mg/L (monthly average).

The SWWTP has been able to maintain an average effluent phosphorus concentration of 0.43 mg/L from January 2019 through to December 2021. The SWWTP has been able to consistently meet a monthly average effluent concentration below 0.5 mg/L in the last three years, with the exception of the four-month period between November 2020 through February 2021. Tertiary treatment upgrades would be required to ensure the WWTP could consistently meet an NPDES permit effluent phosphorus limit of 0.1 mg/L.

The following treatment compliance alternatives were evaluated for meeting the new effluent Total P limitations:

- Tertiary Filtration
  - Cloth Media Disk Filter
  - Continuously Backwashed Up-flow Sand Filters

A Preliminary Opinion of Probable Cost was completed for the two (2) treatment alternatives. The following design criteria were used for sizing and evaluating each tertiary treatment alternative:

- Average Design Flow 1 mgd
- Max Flow 2.5 mgd
- Final Effluent TSS 4 mg/L
- Secondary Effluent Total Phosphorus with Chemical Addition 0.4 mg/L
- Final Effluent Total Phosphorus limit (Month Avg.) 0.1 mg/L

The two (2) treatment alternatives for meeting the 0.1 mg/L Total P limit are summaries below in Table 5.

Table 5

Summary of Treatment Alternative Costs

	AquaDisk®	BluePro®
Total Capital Cost	$2,651,000	$5,437,000
Total Annual O & M	$185,000	$113,966

The Cloth Media Filters appear to be the most cost-effective treatment alternative for meeting future effluent phosphorus limits, assuming the existing filters can be retrofitted with the disk filter equipment eliminating the need for a new filter building. It is recommended that the Village undertake Facility Planning on the SWWTP for a comprehensive and in-depth evaluation of implementing tertiary treatment improvements. A completed Facility Plan will be required by the

Illinois Environmental Protection Agency before improvements can take place. Additionally, when the Village is required to move forward with tertiary treatment, it is recommended that the alternatives be pilot tested to verify system performance and chemical use.

***** The Opinion of Probable Cost was prepared for use by the Owner in planning for future costs of the project. In providing Opinions Of Probable Cost, the Owner understands the Design Professional has no control over costs or the price of labor, equipment, or materials, or over Construction Professionals' method of pricing, and that the Opinions Of Probable Cost provided herewith are made on the basis of the Design Professional's qualifications and experience. It is not intended to reflect actual costs and is subject to change with the normal rise and fall of the local area's economy. This Opinion must be revised after every change made to the project or after every 30-day lapse in time from the original submittal by the Design Professional.

APPENDIX I
Monthly Effluent Flows and Loading
January 2019 – December 2021

Table I-1
Village of Poplar Grove
2019 Effluent Loading

Month	2019 Effluent											
	Flow		BOD		TSS		NH3-N		Total P		TKN	
	MGD		mg/L		mg/L		mg/L		mg/L		mg/L	
	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max
Jan	0.245	0.736	1.00	1.00	2.47	14.00	0.09	0.19	0.26	0.86	0.46	0.46
Feb	0.329	0.560	2.00	5.00	1.58	3.00	0.91	4.07	0.29	1.03	0.78	0.78
Mar	0.368	0.836	1.67	3.00	3.08	7.00	0.14	0.42	0.29	0.72	0.33	0.33
Apr			2.88	6.00	3.57	7.00	0.06	0.10	0.23	0.53	0.29	0.29
May	0.439	0.813	1.50	3.00	2.46	13.00	0.07	0.16	0.14	0.20	0.76	0.76
Jun	0.326	0.546	1.00	1.00	2.67	16.00	0.21	0.58	0.42	0.94	0.87	0.87
Jul	0.327	0.637	2.00	4.00	1.29	4.00	0.27	1.94	0.33	0.67	0.46	0.46
Aug	0.221	1.221	1.00	1.00	2.46	8.00	0.09	0.21	0.20	0.43	1.79	1.79
Sep	0.340	0.983	1.00	1.00	1.67	9.00	0.07	0.12	0.28	0.73	0.82	0.82
Oct	0.351	0.829			3.00	21.00	0.10	0.44	0.17	0.26	0.95	0.95
Nov	0.352	1.068	1.00	1.00	4.69	22.00	1.44	6.64	0.24	0.59	0.77	0.77
Dec	0.234	0.423			2.25	4.00	0.06	0.12	0.17	0.20	0.32	0.32
Average	0.321	--	1.50	--	2.60	--	0.29	--	0.25	--	0.72	--
Max	0.439	1.221	2.88	6.00	4.69	22.00	1.44	6.64	0.42	1.03	1.79	1.79

Table I-1 (Continued)
Village of Poplar Grove
2020 Effluent Loading

Month	2020 Effluent											
	Flow		BOD		TSS		NH3-N		Total P		TKN	
	MGD		mg/L		mg/L		mg/L		mg/L		mg/L	
	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max
Jan	0.254	0.398			3.83	7.00	0.05	0.08	0.26	0.80	6.36	12.20
Feb	0.201	0.384			4.09	8.00	0.05	0.08	0.21	0.40	1.33	1.33
Mar	0.294	0.312	3.50	3.33	7.07	7.60	2.09	2.65	0.43	0.43	7.56	7.56
Apr	0.330	0.928	3.75	4.00	6.17	15.00	2.45	9.89	0.47	0.83	0.56	0.56
May	0.327	0.509	4.00	4.00	4.73	7.00	0.26	1.03	0.55	1.47	0.93	0.93
Jun	0.357	0.916			5.86	9.00	0.06	0.10	0.51	2.22	0.61	0.61
Jul	0.277	0.420			5.77	9.00	0.07	0.09	0.37	0.75	0.71	0.71
Aug	0.243	0.399			5.67	15.00	0.29	2.41	0.28	0.41	0.48	0.48
Sep	0.236	0.850	2.33	5.00	5.29	11.00	0.06	0.08	0.30	0.33	0.99	0.99
Oct	0.207	0.304	2.00	2.00	5.33	10.00	0.10	0.31	0.36	0.54	0.91	0.91
Nov	0.199	0.288			5.60	12.00	0.06	0.12	1.35	1.84	0.29	0.29
Dec	0.215	0.378	5.00	5.00	3.60	7.00	0.07	0.11	1.52	2.15	0.77	0.77
Average	0.262	--	3.43	--	5.25	--	0.47	--	0.55	--	1.79	--
Max	0.357	0.928	5.00	5.00	7.07	15.00	2.45	9.89	1.52	2.22	7.56	12.20

Table I-1 (Continued)
Village of Poplar Grove
2021 Effluent Loading

Month	2021 Effluent											
	Flow		BOD		TSS		NH3-N		Total P		TKN	
	MGD		mg/L		mg/L		mg/L		mg/L		mg/L	
	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max
Jan	0.217	0.314	2.00	2.00	5.83	9.00	0.35	1.30	1.29	1.46	1.10	1.10
Feb	0.204	0.392	1.00	1.00	5.73	9.00	0.32	1.89	1.24	1.89	1.09	1.33
Mar	0.359	0.745	3.33	5.00	5.25	10.00	0.09	0.27	0.41	1.36	1.03	1.03
Apr	0.261	0.537	18.00	18.00	3.33	9.00	0.11	0.33	0.70	2.83	1.01	1.20
May	0.225	0.429	4.00	5.00	4.13	7.00	0.08	0.27	0.21	0.26	0.52	0.52
Jun	0.211	0.498	1.00	1.00	3.75	12.00	0.08	0.15	0.24	0.29	0.66	0.91
Jul	0.221	0.379	1.10	2.00	2.75	4.00	0.10	0.19	0.21	0.25	0.93	0.93
Aug	0.285	2.045	1.54	2.00	4.90	8.00	0.39	1.80	0.25	0.44		
Sep	0.195	0.619	1.21	2.00	4.29	8.00	0.12	0.27	0.47	1.24	1.21	1.21
Oct	0.214	0.503	1.42	2.00	2.89	6.00	0.11	0.14	0.20	0.28		
Nov	0.214	0.349	1.07	2.00	3.25	7.00	0.09	0.14	0.35	1.95	0.71	0.72
Dec	0.213	0.485	1.17	2.00	2.33	5.00	0.09	0.15	0.20	0.77		
Average	0.235	--	3.07	--	4.04	--	0.16	--	0.48	--	0.92	--
Max	0.359	2.045	18.00	18.00	5.83	12.00	0.39	1.89	1.29	2.83	1.21	1.33

McMAHON
ENGINEERS ARCHITECTS

To: **The Village President and Board of Trustees**

From: **Chris Dopkins, P.E. Village Engineer**

Re: **Proposed Public Works Building**

Date: **August 14, 2022**

Please allow this memorandum to follow up the discussions of the July 20th Board meeting regarding the proposed new site for the Public Works Building. Pursuant to those discussions we have prepared an amendment to the professional service agreement and resolution, both of which are attached to this memorandum for your consideration.

Further, our field survey crew visited the site on or about July 23rd and discovered that the corn crop is too tall to complete the site survey and will therefore need to be removed before the survey data can be collected. DPW Howe and our office both reviewed the lease agreement in place and there are no provisions for early crop removal. DPW Howe has contacted the farmer who has thankfully agreed to cut the corn over the area needed by the Village at the beginning of September which will only slightly change the scheduled which I have outlined below. We have also made contact with the State Historic Preservation Office who must approve the site on behalf of DCEO (and their review is also needed to obtain the ILR10 Permit from IEPA). DCEO has now advised that an amendment to the agreement is required since the location of the building is changing. We think it makes sense to get a 30% design complete before amending the DCEO grant. Given the above, the following is a realistic schedule for the project:

September 12th – October 21st: Design of the East Street Site, Design of the Water Main Extension and Sanitary Sewer Extension, Revisions to Building Design to Reflect New Site Conditions, Coordination with DCEO and SHPO, Amendments to Grant Documents.

October 19th: Reauthorizing the bid letting in August since it has been some time since the Board approved public bidding. Formal approval of the plans by the Board.

October 24th – November 11th: Public Bid Letting. Award contracts at November 16th meeting. Execute contract documents and bonds. Obtain IEPA permits for water and sewer concurrently with public bid letting. Begin coordination w/ NICOR, ComEd to extend utilities to the site.

November 2022 – March 2023: Complete shop drawing reviews, final design of footings based on shop drawing reactions from building manufacturer, materials ordered such that they arrive to the site in summer of 2023. It should be noted that delivery times continue to be much longer than normal (especially for electrical equipment) and therefore it will be necessary to approve shop drawings as soon as practicable after the contract is awarded to have a reasonable chance of timely delivery to the site.

March 2023 – May 2023: Complete sanitary sewer and water main improvements.

June 2023 – February 2024: Complete the site and building improvements. Again, note that site grading improvements need to occur during the summer months.

I look forward to discussing the project with the Board. In the meantime, please do not hesitate to contact me at 636-9590 with any questions. Thank you.

Resolution 22-32

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO AMEND A PROFESSIONAL SERVICE AGREEMENT WITH MCMAHON ASSOCIAITES, INC. FOR DESIGN, BID AND CONSTRUCITON ENGINEERING SERVICES FOR THE PUBLIC WORKS BUILDING SITE

WHEREAS, the Village of Poplar Grove (Village) entered into a Professional Service Agreement (Agreement) dated July 7, 2020 with McMahon Associates, Inc. (McMahon) for the design, bid and construction engineering services for a proposed Public Works Building (Building); and,

WHEREAS, the Village desires to relocate the Building to a new site, and therefore it is necessary to completely re-design the civil site improvements, and amend the design for portions of the Building; and,

WHEREAS, McMahon has provided an Amendment to its Agreement for Village consideration; and,

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to enter into the Agreement.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

1. The above recitals are incorporated herein and made part hereof.

2. The Village President is authorized to execute the Professional Service Agreement Amendment with McMahon Associates, Inc. for Professional Engineering Services for the Public Works Building.

3. FURTHER, said Agreement is attached to and made part of this resolution.

PASSED UPON MOTION BY _____

SECONDED BY _____

BY ROLL CALL VOTE THIS _____ DAY OF _____, 2022.

AS FOLLOWS:

VOTING “AYE”: _____

_____

VOTING “NAY”: _____

_____

ABSENT, ABSTAIN, OTHER _____

APPROVED_____, 2022

_____
VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK:_____

McMAHON
ENGINEERS ARCHITECTS

AGREEMENT
For PROFESSIONAL SERVICES

Village of Poplar Grove
200 N. Hill Street
Poplar Grove, IL 61065

Date: August 14, 2022

McM. No. P0013-7-22-00109

PROJECT DESCRIPTION:

The Village of Poplar Grove (Village) is planning to construct a new Public Works Facility. McMahon Associates, Inc. (McMAHON) has been working with the Village and has developed construction documents for a new Building located at 100 East Street. Due to a number of unforeseen conditions, mainly delays in obtaining grant funding from the Department of Commerce and Economic Opportunity, and others relating the pandemic, the Village has decided to relocate the facility to a 14-acre parcel under its jurisdiction located along the south of Park Street east of East Street. It is therefore necessary to (1) redesign the civil site improvements and make necessary changes to the grant documents; (2) , revise the building plans to reflect the new site location/geometry; (3) extend sanitary sewer and potable water improvements to the site which require both plans and IEPA permits; and (4) update the budgetary values for professional fees as McMahon's rates have changed since the time of the commencement of design in 2020.

There will be two (2) contracts bid for the project. Contract "A" will include the building improvements and coordination of site improvements for any site improvement within 10' +/- of the building footprint; and Contract "B" will include the offsite potable water/sanitary sewer and civil site improvements. The Village has secure a $200,000 grant through DCEO for the civil site improvements and Contract "B" will include the provisions required under the grant documents.

SCOPE OF SERVICES:

MCMAHON agrees to amend its July 20, 2020 agreement as follows:

Civil/Site Design Services Include:

1. Site Survey.
2. Site Plan.
3. Stormwater management plan.
4. Storm Water Pollution Prevention Plan and File Notice of Intent w/ IEPA.
5. Coordination of Site Design with Architectural, Plumbing and Electrical Design.
6. Coordination of Site Design with Utilities.
7. Specifications for Site Improvements.
8. Plans for the extension of potable water and sanitary sewer.
    a. Prepare IEPA Permit Documents and assist the Village with obtaining IEPA permits.
9. Division 0 Contract Documents for Contracts "A" and "B".

Architectural Design Services Include:

1. Revise building plans to reflect new site conditions.

Structural Services Include:

1. Structural Specifications sections.
2. Revise building plans to reflect new site conditions.

3. Coordination with the metal building requirements with the pre-engineered building supplier.
4. Prepare structural calculation package. Design of the structural system will be based on the International Building Code.
5. Furnish required number of stamped plans and stamped calculations to comply with local review process.

Electrical Services Include:

1. Revise building plans to reflect new site conditions.
2. Redesign of electrical distribution.
3. Coordination of electrical utility service(s).
4. Redesign exterior lighting, including lighting controls.
5. Redesign of exterior lighting photometrics for permit submittal.
6. Design of voice data systems infrastructure.
7. Review of shop drawings.
   NOTE: Excluded from Electrical Scope of Design, but potentially available for additional fees: Engineering to achieve LEED (or similar) status; Design of audio-visual, fire-alarm, photovoltaic, or generator elements.

HVAC Services Include:

1. Revise building plans to reflect new site conditions.
2. Code review submittal of the HVAC system to meet 2015 IMC.

Plumbing Services Include:

1. Revise building plans to reflect new site conditions.
2. Redesign of plumbing and sanitary services and building connections based on civil site design.
3. Solids interceptor selection.

Bidding & Contract Services Include:

1. Host a pre-bid meeting, and issue minutes of the pre-bid meeting.
2. Answer questions and issue addenda during the bid period.
3. Review proposals with the Village of Poplar Grove
4. Provide recommendation for award to lowest responsive, and Owner deemed responsible contractor for Contracts “A” and “B”.
5. Preparing AIA documents.

Construction Administration Services Include:

1. Attend Construction Meetings – as requested.
2. Answering questions and issue clarifications during construction.
3. Shop Drawing reviews.
4. Construction staking.
5. Periodic field observations of contractor progress for building and site improvements.
6. Full time construction observation for potable water and sanitary sewer improvements.
7. Progress updates to the Village.
8. Issue Substantial Completion Statement.
9. Issue Compliance Statement.

Design Deliverables Include:

- One electronic copy (disk) of all drawings.
- Stamped Structural Drawings and Calculations as noted above.

Exclusions:

This proposal does not include the following although they may be available for an additional fee: Modifications to drawings or structural calculations as a result of significant changes in scope or design requirements, including but not limited to changes in size, complexity, construction schedule, and site conditions that vary from those assumed for the development of drawings or calculations; Additional Design Services for items not specifically addressed in McMahon's scope; Permit fees; Grant Administration; Geotechnical consulting; Materials testing; Hazardous materials investigations; Presentations to local government if required to gain site plan approval or a change of zoning; A certified survey; Soil borings; Interior finishes or furnishings selections; As-built drawings.

SPECIAL TERMS:

The Village of Poplar Grove agrees that the Project Description, Scope Of Services and Compensation sections contained in this Agreement, pertaining to this project or any addendum thereto, are considered confidential and proprietary, and shall not be released or otherwise made available to any third party, prior to the execution of this Agreement, without the expressed written consent of the McMahon Group of Companies.

COMPENSATION: (Does Not Include Permit or Approval Fees)

McMAHON agrees to provide the Scope of Services described above for the following compensation:

Design Phase by Discipline:

- For Final Design Services, Site Survey/Water/Sanitary Sewer/Civil; Lump Sum..... $16,500.00
- For Final Design Services, Architectural; Lump Sum……$1,500.00
- For Final Design Service, Structural; Lump Sum……$1,000.00
- For Final Design Service, Electrical; Lump Sum……$2,700.00
- For Final Design Service, Plumbing; Lump Sum……$400.00
- For Final Design Services, HVAC; Lump Sum……$300.00

  Design Fee……$22,400.00

- For Bidding & Contract Services; Lump Sum..... $6,500.00
- For Construction Administration Services, Time & Expense (est.)..... $65,000 - $85,000.00
- Reimbursable Expenses; Time & Expense. Reimbursable expenses include mileage, photocopies, and mailing charges.

We will invoice monthly, based upon the percentage of work completed. Invoices are payable within 30 days of receipt. Late payments will be subject to interest at a rate of 1.5% per month. Services will be provided in accordance with McMahon's General Terms and Conditions, copy previously provided with McMahon July 20, 2020 proposal.

Remainder of this page left blank intentionally

COMPLETION SCHEDULE:

We are prepared to begin work immediately and will work with you to meet the Village's required schedule.

The Agreement Fee Is Firm for Acceptance Within Sixty (60) Days From Date Of This Agreement.

VILLAGE OF POPLAR GROVE	**McMAHON ASSOCIATES, INC.**
Poplar Grove, IL	**Machesney Park, IL**
By:	By:
Donald Sattler	Christopher D. Dopkins, P.E.
Title: Village President	Title: Associate/Project Manager
Date: August 17, 2020	Date: August 14, 2022

ACCOUNT NAME:	E-CITATION/POPLAR GROVE VILLAGE			
			CURRENT BALANCE:	0.00
	SUBTOTAL:	0.00	0.00	
		RECEIPTS	DISBURSEMENTS	BALANCE
STARTING BALANCE:				0.00
DECEMBER	Cash Receipts	0.00		0.00
DECEMBER	Cash Disbursements		0.00	0.00
JANUARY	Cash Receipts	0.00		0.00
JANUARY	Cash Disbursements		0.00	0.00
FEBRUARY	Cash Receipts	0.00		0.00
FEBRUARY	Cash Disbursements		0.00	0.00
MARCH	Cash Receipts	0.00		0.00
MARCH	Cash Disbursements		0.00	0.00
APRIL	Cash Receipts	0.00		0.00
APRIL	Cash Disbursements		0.00	0.00
MAY	Cash Receipts	0.00		0.00
MAY	Cash Disbursements		0.00	0.00
JUNE	Cash Receipts	0.00		0.00
JUNE	Cash Disbursements		0.00	0.00
JULY	Cash Receipts	0.00		0.00
JULY	Cash Disbursements		0.00	0.00
AUGUST	Cash Receipts	0.00		0.00
AUGUST	Cash Disbursements		0.00	0.00
SEPTEMBER	Cash Receipts	0.00		0.00
SEPTEMBER	Cash Disbursements		0.00	0.00
OCTOBER	Cash Receipts	0.00		0.00
OCTOBER	Cash Disbursements		0.00	0.00
NOVEMBER	Cash Receipts	0.00		0.00
NOVEMBER	Cash Disbursements		0.00	0.00
			E-CITATION/POPLAR GROVE VILLAGE	

ACCOUNT NAME: **E-CITATION/POPLAR GROVE VILLAGE**

CURRENT BALANCE: 0.00

		RECEIPTS	DISBURSEMENTS	BALANCE
	SUBTOTAL:	0.00	0.00	
STARTING BALANCE:				0.00
DECEMBER	Cash Receipts	0.00		0.00
DECEMBER	Cash Disbursements		0.00	0.00
JANUARY	Cash Receipts	0.00		0.00
JANUARY	Cash Disbursements		0.00	0.00
FEBRUARY	Cash Receipts	0.00		0.00
FEBRUARY	Cash Disbursements		0.00	0.00
MARCH	Cash Receipts	0.00		0.00
MARCH	Cash Disbursements		0.00	0.00
APRIL	Cash Receipts	0.00		0.00
APRIL	Cash Disbursements		0.00	0.00
MAY	Cash Receipts	0.00		0.00
MAY	Cash Disbursements		0.00	0.00
JUNE	Cash Receipts	0.00		0.00
JUNE	Cash Disbursements		0.00	0.00
JULY	Cash Receipts	0.00		0.00
JULY	Cash Disbursements		0.00	0.00
AUGUST	Cash Receipts	0.00		0.00
AUGUST	Cash Disbursements		0.00	0.00
SEPTEMBER	Cash Receipts	0.00		0.00
SEPTEMBER	Cash Disbursements		0.00	0.00
OCTOBER	Cash Receipts	0.00		0.00
OCTOBER	Cash Disbursements		0.00	0.00
NOVEMBER	Cash Receipts	0.00		0.00
NOVEMBER	Cash Disbursements		0.00	0.00

ACCOUNT NAME: **E-CITATION/POPLAR GROVE VILLAGE**

				CURRENT BALANCE:	0.00
		SUBTOTAL:	6.00	6.00	
		RECEIPTS		DISBURSEMENTS	BALANCE
STARTING BALANCE:					0.00
DECEMBER	Cash Receipts				0.00
DECEMBER	Cash Disbursements			0.00	0.00
JANUARY	Cash Receipts		4.00		4.00
JANUARY	Cash Disbursements			4.00	0.00
FEBRUARY	Cash Receipts		0.00		0.00
FEBRUARY	Cash Disbursements			0.00	0.00
MARCH	Cash Receipts		0.00		0.00
MARCH	Cash Disbursements			0.00	0.00
APRIL	Cash Receipts		0.00		0.00
APRIL	Cash Disbursements			0.00	0.00
MAY	Cash Receipts		2.00		2.00
MAY	Cash Disbursements			2.00	0.00
JUNE	Cash Receipts		0.00		0.00
JUNE	Cash Disbursements			0.00	0.00
JULY	Cash Receipts		0.00		0.00
JULY	Cash Disbursements			0.00	0.00
AUGUST	Cash Receipts		0.00		0.00
AUGUST	Cash Disbursements			0.00	0.00
SEPTEMBER	Cash Receipts		0.00		0.00
SEPTEMBER	Cash Disbursements			0.00	0.00
OCTOBER	Cash Receipts		0.00		0.00
OCTOBER	Cash Disbursements			0.00	0.00
NOVEMBER	Cash Receipts		0.00		0.00
NOVEMBER	Cash Disbursements			0.00	0.00
					0.00

Return to circuit clerk

E-CITATION/POPLAR GROVE VILLAGE

West's Smith-Hurd Illinois Compiled Statutes Annotated
Chapter 705. Courts (Refs & Annos)
Circuit Clerks
Act 135. Criminal and Traffic Assessment Act (Refs & Annos)
Article 1. General Provisions

705 ILCS 135/1-5

135/1-5. Definitions

Effective: July 1, 2019
Currentness

§ 1-5. Definitions. In this Act:

"Assessment" means any costs imposed on a defendant under schedules 1 through 13 of this Act.

"Business offense" means any offense punishable by a fine in excess of $1,000 and for which a sentence of imprisonment is not an authorized disposition.

"Case" means all charges and counts filed against a single defendant which are being prosecuted as a single proceeding before the court.

"Count" means each separate offense charged in the same indictment, information, or complaint when the indictment, information, or complaint alleges the commission of more than one offense.

"Conservation offense" means any violation of the following Acts, Codes, or ordinances, except any offense punishable upon conviction by imprisonment in the penitentiary:

(1) Fish and Aquatic Life Code;[1]

(2) Wildlife Code;[2]

(3) Boat Registration and Safety Act;[3]

(4) Park District Code;[4]

(5) Chicago Park District Act;[5]

(6) State Parks Act;[6]

(7) State Forest Act;[7]

(8) Forest Fire Protection District Act;[8]

(9) Snowmobile Registration and Safety Act;[9]

(10) Endangered Species Protection Act;[10]

(11) Forest Products Transportation Act;[11]

(12) Timber Buyers Licensing Act;[12]

(13) Downstate Forest Preserve District Act;[13]

(14) Exotic Weed Act;[14]

(15) Ginseng Harvesting Act;[15]

(16) Cave Protection Act;[16]

(17) ordinances adopted under the Counties Code[17] for the acquisition of property for parks or recreational areas;

(18) Recreational Trails of Illinois Act;[18]

(19) Herptiles-Herps Act;[19] or

(20) any rule, regulation, proclamation, or ordinance adopted under any Code or Act named in paragraphs (1) through (19) of this definition.

"Conviction" means a judgment of conviction or sentence entered upon a plea of guilty or upon a verdict or finding of guilty of an offense, rendered by a legally constituted jury or by a court of competent jurisdiction authorized to try the case without a jury.

"Drug offense" means any violation of the Cannabis Control Act,[20] the Illinois Controlled Substances Act,[21] the Methamphetamine Control and Community Protection Act,[22] or any similar local ordinance which involves the possession or delivery of a drug.

"Drug-related emergency response" means the act of collecting evidence from or securing a site where controlled substances were manufactured, or where by-products from the manufacture of controlled substances are present, and cleaning up the site, whether these actions are performed by public entities or private contractors paid by public entities.

"**Electronic citation**" means the process of transmitting traffic, misdemeanor, ordinance, conservation, or other citations and law enforcement data via electronic means to a circuit court clerk.

"Emergency response" means any incident requiring a response by a police officer, an ambulance, a firefighter carried on the rolls of a regularly constituted fire department or fire protection district, a firefighter of a volunteer fire department, or a member of a recognized not-for-profit rescue or emergency medical service provider. "Emergency response" does not include a drug-related emergency response.

"Felony offense" means an offense for which a sentence to a term of imprisonment in a penitentiary for one year or more is provided.

"Fine" means a pecuniary punishment for a conviction or supervision disposition as ordered by a court of law.

"Highest classified offense" means the offense in the case which carries the most severe potential disposition under Article 4.5 of Chapter V of the Unified Code of Corrections.[23]

"Major traffic offense" means a traffic offense, as defined by paragraph (f) of Supreme Court Rule 501, other than a petty offense or business offense.

"Minor traffic offense" means a traffic offense, as defined by paragraph (f) of Supreme Court Rule 501, that is a petty offense or business offense.

"Misdemeanor offense" means any offense for which a sentence to a term of imprisonment in other than a penitentiary for less than one year may be imposed.

"Offense" means a violation of any local ordinance or penal statute of this State.

"Petty offense" means any offense punishable by a fine of up to $1,000 and for which a sentence of imprisonment is not an authorized disposition.

"Service provider costs" means costs incurred as a result of services provided by an entity including, but not limited to, traffic safety programs, laboratories, ambulance companies, and fire departments. "Service provider costs" includes conditional amounts under this Act that are reimbursements for services provided.

"Street value" means the amount determined by the court on the basis of testimony of law enforcement personnel and the defendant as to the amount of drug or materials seized and any testimony as may be required by the court as to the current street value of the cannabis, controlled substance, methamphetamine or salt of an optical isomer of methamphetamine, or methamphetamine manufacturing materials seized.

"Supervision" means a disposition of conditional and revocable release without probationary supervision, but under the conditions and reporting requirements as are imposed by the court, at the successful conclusion of which disposition the defendant is discharged and a judgment dismissing the charges is entered.

Credits

P.A. 100-987, § 1-5, eff. July 1, 2019. Amended by P.A. 100-994, § 5, eff. July 1, 2019; P.A. 100-1161, § 15, eff. July 1, 2019.

Footnotes

1 515 ILCS 5/1-1 et seq.

2 520 ILCS 5/1.1 et seq.

3 625 ILCS 45/1-1 et seq.

4 70 ILCS 1205/1-1 et seq.

5 70 ILCS 1505/1 et seq.

6 20 ILCS 835/0.01 et seq.

7 525 ILCS 40/0.01 et seq.

8 425 ILCS 40/0.01 et seq.

9 625 ILCS 40/1-1 et seq.

10 520 ILCS 10/1 et seq.

11 225 ILCS 740/1 et seq.

12 225 ILCS 735/1 et seq.

13 70 ILCS 805/0.001 et seq.

14 525 ILCS 10/1 et seq.

15 525 ILCS 20/0.01 et seq.

16 525 ILCS 5/1 et seq.

17 55 ILCS 5/1-1001 et seq.

18 20 ILCS 862/1 et seq.

19 50 ILCS 68/1-1 et seq.

20 720 ILCS 550/1 et seq.

21 720 ILCS 570/100 et seq.

22 720 ILCS 646/1 et seq.

23 730 ILCS 5/5-4.5-5 et seq.

705 I.L.C.S. 135/1-5, IL ST CH 705 § 135/1-5

Current through P.A. 102-730 of the 2022 Reg. Sess. Some statute sections may be more current, see credits for details.

End of Document

KeyCite Yellow Flag - Negative Treatment

Proposed Legislation

West's Smith-Hurd Illinois Compiled Statutes Annotated
Chapter 705. Courts (Refs & Annos)
Circuit Clerks
Act 135. Criminal and Traffic Assessment Act (Refs & Annos)
Article 15. Assessment Schedules

705 ILCS 135/15-65

135/15-65. SCHEDULE 13; non-traffic violations

Effective: July 1, 2019
Currentness

§ 15-65. SCHEDULE 13; non-traffic violations. SCHEDULE 13: For a petty offense, business offense, or non-traffic ordinance violation, the Clerk of the Circuit Court shall collect $100 and remit as follows:

(1) As the county's portion, $75, to the county treasurer, who shall deposit the money as follows:

(A) $20 into the Court Automation Fund;

(B) $20 into the Court Document Storage Fund;

(C) $5 into the Circuit Court Clerk Operation and Administrative Fund;

(D) $8 into the Circuit Court Clerk Electronic Citation Fund; and

(E) $22 into the county's General Fund.

(2) As the arresting agency's portion, $25 as follows, unless more than one agency is responsible for the arrest in which case the amount shall be remitted to each unit of government equally:

(A) if the arresting agency is a local agency to the treasurer of the unit of local government of the arresting agency, who shall deposit the money as follows:

(i) $2 into the **E-citation** Fund of the unit of local government; and

(ii) $23 into the General Fund of the unit of local government; or

(B) as provided in subsection (c) of Section 10-5 of this Act if the arresting agency is a State agency.

Credits

P.A. 100-987, § 15-65, eff. July 1, 2019.

705 I.L.C.S. 135/15-65, IL ST CH 705 § 135/15-65

Current through P.A. 102-730 of the 2022 Reg. Sess. Some statute sections may be more current, see credits for details.

End of Document

INTERGOVERNMENTAL AGREEMENT BETWEEN THE BOONE COUNTY SHERIFF AND THE VILLAGE OF POPLAR GROVE FOR E-CITATION COURT FEES

This Intergovernmental Agreement (hereinafter "Agreement") is entered into this ____ day of _____ 2021, by and between the BOONE COUNTY SHERIFF (hereinafter "Sheriff") and VILLAGE OF POPLAR GROVE (hereinafter "Village").

RECITALS:

A. WHEREAS, Article VII, Section 10, of the Constitution of the State of Illinois of 1970 provides that units of local government may contract or otherwise associate among themselves to obtain or share services and to exercise, combine, or transfer any power or function in any manner not prohibited by law or by ordinance and may use their credit, revenues, and other resources to pay costs related to intergovernmental activities. The Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq., further authorizes intergovernmental cooperation.
B. WHEREAS, the County and Village are units of government within the meaning of Article VII, Section 10 of the Constitution of the State of Illinois of 1970 and the Intergovernmental Cooperation Act and each has the authority to enter into this Agreement.
C. WHEREAS, the Boone County Circuit Clerk pursuant to statute collects a fee for Village ordinance violations and a portion of the fee is set aside for e-citation (currently $2.00). (705 ILCS 135/10-5 and 15-65).
D. WHEREAS, the E-citation fee may only be used by the Village to defray expenses related to the establishment and maintenance of an E-citation system.
E. WHEREAS, currently, the Village does not have a E-citation system nor are their any plans to implement said system.
F. WHEREAS, the portion of the e-citation fee collected is de minimis. For calendar years 2020 and 2021, the Village's received $0.00 for E-citations. As of the date of this Agreement, in calendar year of 2022, the Village's portion totaled $6.00.
G. WHEREAS, in most instances, the Boone County Sheriff issues the citation for which the fee is collected.
H. WHEREAS, the Boone County Sheriff established and currently uses an E-citation system.

NOW, THEREFORE, BE IT AGREED AS FOLLOWS:

SECTION 1: RECITALS

The parties hereto find that the recitals set forth above are true, correct, and proper and hereby incorporate them into the body of this Agreement as if fully set forth herein.

SECTION 2: TERM OF AGREEMENT

This Agreement shall continue until one party provides 30 days written notice to the other to terminate said Agreement.

SECTION 3: SCOPE OF THE AGREEMENT

A. The Boone County Circuit Clerk shall transfer any and all of the Village's E-Citation fees collected by the Clerk to the Boone County Sheriff's E-Citation

Account for the purpose of defraying expenses related to the maintenance of E-Citations.

SECTION 4: NOTICE

All notices concerning this Agreement shall be in writing and addressed to the other party as follows:

Sheriff: Boone County Sheriff
615 N. Main Street
Belvidere, IL 61008

Village: Village of Poplar Grove President
200 N. Hill Street
Poplar Grove, IL 61065

IN WITNESS WHEREOF, the undersigned duly authorized representatives of the Sheriff and the Village have caused this Agreement to be executed.

County of Boone

By: _____
Sheriff

Date: _____

Attest:

By: _____
Notary

Village of Poplar Grove

By: _____
Village President

Date: _____

Attest:

By: _____
Township Clerk