



2323 Fourth Street, PO Box 483 Peru, IL 61354

Phone: 815-224-1650 Toll Free: 800-659-4659

www.testinc.com

February 16, 2024

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 December 2023 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:

- Cleaned all lift station floats and transducers.
- Ran and tested portable generators under load.
- Check all dialers to ensure they are working.
- Made sure all panel heaters are working.
- Collins came out and cleaned the grease out of our lift stations.
- Had an issue with the generator at Woodstock Road Lift Station. It needed a new control board that has been repaired.
- We've received two quotes for the spare pump for the Collection Point Lift Station off Waco Road. We are waiting to receive a third.

North WWTP:

- All standard monthly checks/maintenance/cleaning and procedures were completed.
- We're still waiting to hear back about the pump for the EQ tank.
- We had one of the pumps fail a month or so ago for the sand filter. The top end bearing failed, and the stator got into the rotor. Our best option is getting a new pump. We've reached out to Xylem, but our contact has retired, so I'm waiting on a call back. This is from last month and Xylem has hired a new field sales agent, so we're working with him on pricing.
- We had an issue with the battery charger on the generator which caused one of the batteries to short internally. We were able to get the battery replaced under warranty and had the charger changed. It's a 24 volt system that's powered from the 480, so it's not something



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you can buy from anywhere.

- All necessary blower services were completed. Oil changes, belts were adjusted, bearings greased.
- We had Dorner come out and fix the actuator on SBR3, but found an issue with the valve that caused the actuator to fail. We just received a quote for that.
- Decanted digesters.
- Tested all emergency wash stations.
- We've been working with Gasvoda to try and get the disk filter fixed. NOVA, the company that made the filter, is out of business, so we can't just order the parts we need. **This is still ongoing, without much luck.**

South WWTP:

- All standard monthly checks/maintenance/cleaning and procedures were completed.
- Replaced the battery back up for the PLC at the plant.
- Tested all emergency wash stations.
- All furnaces are working as they should.
- Existing UV lights have been pulled, cleaned, and inspected. A number of bulbs need replacement.
- We got a couple quotes for UV bulbs, but are still waiting on a few vendors.
- The screen at the south plant will need its brushes changed soon. We're trying to find data on the screen to order the right ones. We noticed this when we were going through it with a normal maintenance, cleaning the sprat nozzles and adjusting the brushes.

Water System:

- Cleaned well houses.
- Changed flow switch at Well 4.
- We have started working on a new bacti site plan that will need to be updated at the next IEPA inspection.
- We got the generator out and load tested it at Well 4.
- All required EPA testing has been done.

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 #: IL0023451
 Major: No
 Permitted Features: 001 External Outfall
 Report Dates & Status: From 12/01/23 to 12/31/23
 Monitoring Period: 01/25/24
 Considerations for Form Completion: NetDMR Validated
 ROW ID: W0070150007; DMF LOAD LIMITS DISPLAYED MONITORING LOCATION *1* IS MONTHLY AVERAGE AND DAILY MAXIMUM MONITORING LOCATION *8* IS FORWEEKLY AVERAGE.

Facility: POPLAR GROVE - NORTH WWTP, VILLAGE OF
 Facility Location: 200 NORTH HILL STREET, POPLAR GROVE, IL 61065
 Discharge: 001-0 STP OUTFALL
 DMR Due Date: 01/25/24
 Title: Certified Operator
 Telephone: 815-224-1650

Parameter Name	Monitoring Location	Session #	Param. HOD#	Qualifier	Value 1	Qualifier	Value 2	Units	Qualifier	Value 1	Qualifier	Value 2	Qualifier	Value 3	Units	Qualifier	Value 4	Qualifier	Value 5	Frequency of Analysis	Sample Type
00300 Oxygen, dissolved (DO)	1 - Effluent Gross	1	-	Sample Permit Req. Value HOD#	=	9.246	=	>=	6.0 MO AV MN	=	8.335	=	>=	4.5 MN WK AV	=	8.23	=	4.0 DAILY MN	02DA - 2 Days Every Week	GR - GRAB	
00400 pH	1 - Effluent Gross	0	-	Sample Permit Req. Value HOD#	=	6.73	=	>=	6.0 MINIMUM	=	8.15	=	<=	9.0 MAXIMUM	=	12 - SU	=	02DA - 2 Days Every Week	GR - GRAB		
00530 Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value HOD#	=	11.005	=	26 - lb/d	250.0 DAILY MX	=	23.702	=	<=	6.5	=	14.0	=	24.0 DAILY MX	02DA - 2 Days Every Week	CP - COMPOS	
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	-	Sample Permit Req. Value HOD#	=	0.782	=	26 - lb/d	34.0 MO AVG	=	3.115	=	<=	0.462	=	1.84	=	5.4 DAILY MX	02DA - 2 Days Every Week	CP - COMPOS	
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample Permit Req. Value HOD#	=	0.203	=	03 - MGD	Reg Mon MO AVG	=	0.316	=	<=	3.3 MO AVG	=	0	=	0	9999 - Continuous	GR - GRAB	
50060 Chlorine, total residual	1 - Effluent Gross	0	-	Sample Permit Req. Value HOD#	=	3.386	=	26 - lb/d	104.0 MO AVG	=	6.772	=	<=	2.0	=	4.0	=	20.0 DAILY MX	01/30 - Monthly	GR - GRAB	
80002 BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	-	Sample Permit Req. Value HOD#	=	104.0 MO AVG	=	26 - lb/d	209.0 DAILY MX	=	209.0 DAILY MX	=	<=	10.0 MO AVG	=	20.0 DAILY MX	=	9 - Conditional Monitoring - Not Required This Period	02DA - 2 Days Every Week	CP - COMPOS	

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: ebungamer
Name: Elaine Bungamer
E-Mail: ebungamer@testinc.com
Date/Time: 2024-01-16 14:40 (Time Zone: -06:00)

Report Last Signed By

User: IONSTEAR
Name: Ion Stear
E-Mail: istear@testinc.com
Date/Time: 2024-01-28 09:57 (Time Zone: -06:00)

DMR Copy of Record

Parameter Name	Monitoring Location	Sample #	Param. NOD	Sample	Qualifier	Value 1	Qualifier	Value 2	Units	Qualifier	Value 3	Qualifier	Value 4	Units	Qualifier	Value 5	Qualifier	Frequency of Analysis	Sample Type
<p>Permit Permit #: IL0071447 Major: Yes Permitted Feature: 001 External Outfall Report Dates & Status: From 12/01/23 to 12/31/23 Monitoring Period: From 12/01/23 to 12/31/23 Considerations for Form Completion: BOW ID: W0070150006; DMF LOAD LIMITS DISPLAYED. Principal Executive Officer: Ion Stear First Name: Ion Last Name: Stear Form NOD: No Data Indicator (NOD)</p>																			
<p>Permittee: POPLAR GROVE, VILLAGE OF 200 S HILL ST POPLAR GROVE, IL 61065</p>				<p>Facility: POPLAR GROVE SOUTH STP, VILLAGE OF 12211 STATE ROUTE 76 POPLAR GROVE, IL 61065</p>				<p>Discharge: 001-0 STP OUTFALL</p>				<p>Status: NetDMR Validated</p>				<p>Telephone: 815-224-1650</p>			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1	--	Sample	10.018	=	9.29	=	6.54	19 - mg/L	03DW - 3 Days Every Week	GR - GRAB						
00400	pH	1 - Effluent Gross	0	--	Sample	7.02	=	8.14	=	9.0 MAXIMUM	12 - SU	03DW - 3 Days Every Week	GR - GRAB						
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	10.127	=	23.519	26 - lb/d	250.0 MO AVG	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	0.22	=	0.447	26 - lb/d	108.0 DAILY MX	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	0.235	=	0.368	03 - MGD	Req Mon DAILY MX	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						
00685	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	0.4	=	21.0 MO AVG	26 - lb/d	1.0 MO AVG	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	2.777	=	5.88	26 - lb/d	417.0 DAILY MX	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample	2.777	=	5.88	26 - lb/d	417.0 DAILY MX	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	2.777	=	5.88	26 - lb/d	417.0 DAILY MX	19 - mg/L	03DW - 3 Days Every Week	CP - COMPOS						

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

POPULAR GROVE, VILLAGE OF

User:

ebungamer

Name:

Eilaine Bungamer

E-Mail:

ebungamer@lestinc.com

Date/Time:

2024-01-16 14:43 (Time Zone: -06:00)

Report Last Signed By

IONSTEAR

User:

Ion Stear

Name:

istear@lestinc.com

E-Mail:

2024-01-26 09:57 (Time Zone: -06:00)

Date/Time:

DMR Copy of Record

Permit: IL0071447
Permittee: POPULAR GROVE, VILLAGE OF
Major: Yes
Permitted Feature: INF Influent Structure
Facility Location: POPULAR GROVE SOUTH STP, VILLAGE OF
 12211 STATE ROUTE 76
 POPULAR GROVE, IL 61065

Permit Address: POPULAR GROVE, VILLAGE OF
 200 S HILL ST
 POPULAR GROVE, IL 61065
Discharge: INF-L INFLUENT MONITORING
DMR Due Date: 01/25/24
Status: NetDMR Validated

Report Dates & Status: From 12/01/23 to 12/31/23
Monitoring Period:
Considerations for Form Completion:
BOW ID: W0070150006
Principal/Executive Officer: Ion Stear
First Name: Ion
Last Name: Stear
Title: Certified Operator
Telephone: 815-224-1650

Code	Parameter Name	Sampling Location	Swaps # Param, NDI	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of E.	Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0							19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
00630	Solids, total suspended	G - Raw Sewage Influent	0							19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0							19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0							99999 - Continuous	0	99999 - Continuous	

Form NODI: --
Sample Permit Req. Value NODI: --
Sample Permit Req. Value NODI: --
Sample Permit Req. Value NODI: --
Sample Permit Req. Value NODI: --

Quality or Concentration: 91.417
Quality or Quantity: 0.131
Quality or Quantity: 0.181
Quality or Concentration: 133.0
Quality or Quantity: 11.0
Quality or Quantity: 4.091
Quality or Concentration: 03 - MGD
Quality or Quantity: 03 - MGD

Req Mon MO AVG: 11.0
Req Mon MO AVG: 0.131
Req Mon MO AVG: 0.181
Req Mon MO AVG: 133.0
Req Mon MO AVG: 11.0
Req Mon MO AVG: 4.091
Req Mon DAILY MX: 03 - MGD
Req Mon DAILY MX: 03 - MGD

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
Report Last Saved By: POPULAR GROVE, VILLAGE OF
User: ebumgamer
Name: Elaine Bургamer
E-Mail: ebumgame@teslinc.com
Date/Time: 2024-01-16 14:43 (Time Zone: -06:00)

Report Last Signed By: IONSTEAR
User: Ion Stear
Name: Ion Stear
E-Mail: istear@teslinc.com
Date/Time: 2024-01-26 09:57 (Time Zone: -06:00)

VILLAGE OF POPLAR GROVE - NORTH
FOR THE MONTH OF Dec. 2023
MONTHLY OPERATING REPORT
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

Date	Time	Flow Meter		Hour Meter Well 2		Hour Meter Well 3		Chlorine Feed		Phosphate Feed		Flouride Feed		Operator Initials
		Reading	Pumpage	Reading	Hours	Reading	Hours	Scale	lbs Used	Scale	lbs Used	Scale	lbs Used	
30-Nov	08:00	410646		10064.4	0	31691.40		73.00		64		22.75		dh
1-Dec	08:00	410775	102	10064.4	0	31698.10	5.30	71.00	2.0	60	6.00	22.25	0.3	dh
2-Dec	08:00	410877	155	10064.4	0	31703.40	8.00	69.00	2.0	54	6.00	22.00	0.5	mjh
3-Dec	08:00	411032	140	10064.4	0	31711.40	7.20	67.00	2.0	48	6.00	21.50	0.5	mjit
4-Dec	08:00	411172	132	10064.4	0	31718.60	6.80	65.00	2.0	42	8.00	21.00	0.8	dh
5-Dec	08:00	411304	140	10064.4	0	31725.40	7.10	63.00	1.0	34	6.00	20.25	0.3	dh
6-Dec	08:00	411444	122	10064.4	0	31732.50	6.40	62.00	2.0	28	4.00	20.00	0.3	DH
7-Dec	08:00	411566	143	10064.4	0	31738.90	7.40	60.00	2.0	24	8.00	19.75	0.5	dh
8-Dec	08:00	411709	118	10064.4	0	31746.30	6.10	58.00	1.0	125	4.00	19.25	0.5	dh
9-Dec	08:00	411827	109	10064.4	0	31752.40	5.40	57.00	1.0	96	6.00	18.75	0.3	
10-Dec	08:00	411936	161	10064.4	0	31757.80	8.50	56.00	2.0	90	6.00	18.50	0.5	
11-Dec	08:00	412097	128	10064.4	0	31766.30	6.60	54.00	1.0	84	6.00	18.00	0.0	dh
12-Dec	08:00	412225	128	10064.4	0	31772.90	6.40	53/160	1.0	78	8.00	18/51	0.5	DH
13-Dec	08:00	412353	131	10064.4	0	31779.30	6.90	159.00	1.5	70	4.00	50.50	0.3	dh
14-Dec	08:00	412484	157	10064.4	0	31786.20	8.20	157.50	3.5	66	6.00	50.25	0.3	dh
15-Dec	08:00	412641	106	10064.4	0	31794.40	5.50	154.00	0.0	60	6.00	50.00	0.5	BH
16-Dec	08:00	412747	133	10064.4	0	31799.90	6.90	154.00	1.0	54	6.00	49.50	0.5	BH
17-Dec	08:00	412880	145	10064.4	0	31806.80	7.90	153.00	2.0	48	8.00	49.00	0.3	BH
18-Dec	08:00	413025	151	10064.4	0	31814.70	7.40	151.00	2.5	40/100	8.00	48.75	0.8	BH
19-Dec	08:00	413176	133	10064.4	0	31822.10	5.90	148.50	1.5	92	4.00	48.00	0.3	BH
20-Dec	08:00	413309	157	10064.4	0	31828.00	9.00	147.00	2.0	88	8.00	47.75	0.8	BH
21-Dec	08:00	413466	85	10064.4	0	31837.00	4.40	145.00	1.0	80	4.00	47.00	0.0	DH
22-Dec	08:00	413551	145	10064.4	0	31841.40	7.50	144.00	1.0	76	6.00	47.00	0.5	dlr
23-Dec	08:00	413696	158	10064.4	0	31848.90	7.20	143.00	1.0	70	6.00	46.50	0.5	dh
24-Dec	08:00	413854	149	10064.4	0	31856.10	8.70	142.00	2.0	64	8.00	46.00	0.8	dlr
25-Dec	08:00	414003	126	10064.4	0	31864.80	6.40	140.00	2.0	56	6.00	45.25	0.3	dlr
26-Dec	08:00	414129	142	10064.4	0	31871.20	7.00	138.00	1.0	50	6.00	45.00	0.5	BH
27-Dec	08:00	414271	127	10064.4	0	31878.20	7.00	137.00	1.0	44	6.00	44.50	0.5	BH
28-Dec	08:00	414398	131	10064.4	0	31885.20	5.80	136.00	1.0	38	6.00	44.00	0.3	BH
29-Dec	08:00	414529	163	10064.4	0	31891.00	9.70	135.00	1.0	32	6.00	43.75	0.8	BH
30-Dec	08:00	414692	141	10064.4	0	31900.70	7.00	134.00	1.0	26/100	6.00	43.00	0.5	BH
31-Dec	08:00	414833	137	10064.4	0	31907.70	7.00	133.00	1.0	94	6.00	42.50	0.5	BH
1-Jan	08:00	414970		10064.4		31914.7		132.0		88		42		BH
TOT			4058				210			35.49				
AVE			135				7			1.08				
MAX			163				10			1.57				
MIN			85				4			0.60				

SIGNATURE:  Tom Stear
PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE - WEST IL0070350
 FOR THE MONTH OF Dec. 2023 MONTHLY OPERATING REPORT
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF PUBLIC WATER SUPPLIES


Date	Time	Flow Meter		Hour Meter Well 4		Chlorine Feed		Phosphate Feed		Flouride Feed		Operator Initials	
		Reading	Pumpage	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L		Scale
30-Nov	08:30	383620		8596.11		106.00		0.72	58	4.00	2.55	387.20	dh
1-Dec	08:30	383665	85	8597.19	2.09	105.00	1.0	0.95	56	4.00	1.76	386.10	dh
2-Dec	08:30	383750	45	8599.28	1.09	104.00	1.0	0.77	52	1.00	1.43	384.30	mjh
3-Dec	08:30	383795	100	8600.37	2.31	103.00	1.0	1.01	51	5.00	1.01	383.20	mjh
4-Dec	08:30	383895	40	8602.68	0.98	102.00	1.0	0.67	46	2.00	0.90	381.00	dh
5-Dec	08:30	383935	111	8603.66	2.73	101.00	1.0	0.80	44	6.00	1.74	380.10	dh
6-Dec	08:30	384046	76	8606.39	1.86	100.00	1.0	0.83	38	6.00	1.10	377.50	dh
7-Dec	08:30	384122	0	8608.25	0	99.00	1.0	0.58	32	6.00	1.37	375.60	dh
8-Dec	08:30	384122	41	8608.00	0.92	98.00	0.0	0.48	32/100	2.00	1.82	375.40	dh
9-Dec	08:30	384163	46	8609.17	1.13	98.00	1.0	0.56	98	2.00	1.44	374.20	dh
10-Dec	08:30	384209	114	8610.3	2.63	97.00	2.0	0.89	96	6.00	1.39	373.60	dh
11-Dec	08:30	384323	75	8612.93	1.84	95.00	2.0	0.93	90	6.00	1.65	370.60	dh
12-Dec	08:30	384398	91	8614.77	2.26	93.00/160	2.0	0.68	84	2.00	1.19	368.0/437.4	dh
13-Dec	08:30	384489	62	8617.03	1.49	159.00	2.0	1.21	82	4.00	2.00	435.80	dh
14-Dec	08:30	384551	79	8618.52	1.89	157.00	2.0	1.01	78	4.00	1.35	434.20	dh
15-Dec	08:30	384630	58	8620.41	1.31	155.00	1.0	1.03	74	2.00	0.76	432.40	BH
16-Dec	08:30	384688	60	8621.72	1.39	154.00	1.0	1.34	72	4.00	1.02	431.00	BH
17-Dec	08:30	384748	51	8623.11	1.49	153.00	1.0	1.30	68	6.00	1.10	429.50	BH
18-Dec	08:30	384799	86	8624.6	1.82	152.00	2.0	1.03	62	6.00	1.07	428.30	BH
19-Dec	08:30	384885	39	8626.42	0.92	150.00	0.5	1.06	56	2.00	1.00	426.60	BH
20-Dec	08:30	384924	81	8627.34	1.88	149.50	1.5	1.37	54	4.00	0.73	425.30	BH
21-Dec	08:30	385005	41	8629.22	1.05	148.00	0.5	1.19	50	4.00	2.56	423.30	DH
22-Dec	08:30	385046	61	8630.27	1.4	147.50	1.0	0.92	46	2.00	0.93	422.20	dh
23-Dec	08:30	385107	79	8631.67	1.87	146.50	1.5	1.17	44	8.00	1.97	420.50	dh
24-Dec	08:30	385186	59	8633.54	1.39	145.00	1.0	0.90	36	4.00	0.82	418.60	dh
25-Dec	08:30	385245	59	8634.93	1.4	144.00	1.5	0.97	32	4.00	0.97	417.10	dh
26-Dec	08:30	385304	78	8636.33	1.85	142.50	1.5	1.12	28/100	6.00	1.07	415.90	BH
27-Dec	08:30	385382	59	8638.18	1.4	141.00	0.5	1.25	94	6.00	1.00	414.30	BH
28-Dec	08:30	385441	59	8639.58	1.33	140.50	1.5	1.00	88	4.00	1.63	412.90	BH
29-Dec	08:30	385500	59	8640.91	1.42	139.00	1.5	0.95	84	6.00	1.44	411.30	BH
30-Dec	08:30	385559	77	8642.33	1.79	137.50	1.5	1.00	78	6.00	1.54	409.90	BH
31-Dec	08:30	385636	61	8644.12	1.51	136.00	1.0	1.08	72	6.00	1.34	408.00	BH
1-Jan	08:30	385697		8645.63		135.00		0.93	66		1.78	406.6	BH
TOT			1971					31.70			45.43		
AVE			66					0.96			1.38		
MAX			114					1.37			2.56		
MIN								0.48			0.73		

SIGNATURE:  Ion Stear
 PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE - SOUTH
IL0070300
MONTHLY OPERATING REPORT
FOR THE MONTH OF Dec. 2023
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

Date	Time	Flow Meter		Hour Meter Well 5		Hour Meter Well 6		Chlorine Feed		Phosphate Feed		Flouride Feed		Operator Initials	
		Reading	Pumpage	Reading	Hours	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L		Scale
30-Nov		604557		4418.6		4758.10	0	100.00		1.03	26		382.20		dh
1-Dec		604647	31	4420	0.4	4758.10	0	99.00	1.0	1.13	22/100	1.00	381.60	0.20	dh
2-Dec		604678	89	4420.4	1.4	4758.10	0	98.00	1.0	1.12	99	5.00	381.40	0.70	mjh
3-Dec		604767	62	4421.8	1	4758.10	0	97.00	2.0	1.21	94	2.00	380.70	0.50	mjh
4-Dec		604829	61	4422.8	1	4758.10	0	95.00	1.0	0.92	92	2.00	380.20	0.40	dh
5-Dec		604890	63	4423.8	0.9	4758.10	0	94.00	1.0	0.79	90	4.00	379.80	0.60	dh
6-Dec		604953	61	4424.7	1	4758.10	0	93.00	1.0	0.93	86	4.00	379.20	1.00	DH
7-Dec		605014	61	4425.7	0.9	4758.10	0	92.00	1.0	0.82	82	4.00	378.20	0.60	dh
8-Dec		605075	61	4426.6	1	4758.10	0	91.00	2.0	1.00	78	2.00	377.60	0.40	dh
9-Dec		605136	60	4427.6	0.9	4758.10	0	89.00	1.0	1.30	76	2.00	377.20	0.40	dh
10-Dec		605196	60	4428.5	1	4758.10	0	88.00	1.0	1.15	74	2.00	376.80	0.40	dh
11-Dec		605256	89	4429.5	1.3	4758.10	0	87.00	1.0	1.07	72	8.00	376.40	0.80	dh
12-Dec		605345	60	4430.8	1	4758.10	0	86.00/160	1.0	1.22	64	2.00	375.60	0.80	dh
13-Dec		605405	60	4431.8	0.9	4758.10	0	159.50	0.5	1.49	62	4.00	374.80	0.80	dh
14-Dec		605465	60	4432.7	0.9	4758.10	0	159.00	2.0	1.12	58	4.00	374.00	0.80	dh
15-Dec		605525	61	4433.6	1	4758.10	0	157.00	1.0	1.21	54	2.00	373.20	0.80	BH
16-Dec		605586	60	4434.6	0.9	4758.10	0	156.00	1.0	1.24	52	4.00	372.40	1.20	BH
17-Dec		605646	87	4435.5	1.4	4758.10	0	155.00	2.0	1.19	48	6.00	371.20	0.20	BH
18-Dec		605733	71	4436.9	1	4758.10	0	153.00	1.0	1.04	42	2.00	371.00	1.00	BH
19-Dec		605804	53	4437.9	0.9	4758.10	0	152.00	1.0	1.11	40	2.00	370.00	0.80	BH
20-Dec		605857	89	4438.8	1.4	4758.10	0	151.00	1.0	1.09	38/100	4.00	369.20	1.20	
21-Dec		605946	30	4440.2	0.5	4758.10	0	150.00	1.0	0.83	96	2.00	368.00	0.80	dh
22-Dec		605976	60	4440.7	0.9	4758.10	0	149.00	1.0	1.32	94	2.00	367.20	0.80	dh
23-Dec		606036	92	4441.6	1.4	4758.10	0	148.00	2.0	1.21	92	6.00	366.40	1.40	dh
24-Dec		606128	82	4443	1.2	4758.10	0	146.00	2.0	1.06	86	4.00	365.00	1.20	dh
25-Dec		606210	70	4444.2	1.2	4758.10	0	144.00	1.0	0.84	82	4.00	363.80	0.80	dhr
26-Dec		606280	91	4445.4	1.4	4758.10	0	143.00	2.0	1.45	78	4.00	363.00	1.20	BH
27-Dec		606371	59	4446.8	1	4758.10	0	141.00	1.0	1.01	74	4.00	361.80	0.80	BH
28-Dec		606430	60	4447.8	0.9	4758.10	0	140.00	1.0	1.09	70	2.00	361.00	0.60	BH
29-Dec		606490	91	4448.7	1.4	4758.10	0	139.00	2.0	1.21	68	6.00	360.40	1.40	BH
30-Dec		606581	60	4450.1	1	4758.10	0	137.00	1.0	1.16	62	2.00	359.00	0.80	BH
31-Dec		606641	61	4451.1	0.9	4758.10	0	136.00	1.0	1.42	60	4.00	358.20	0.80	BH
1-Jan		606702		4452		4758.10		135.00		1.44	56		357.40		BH
TOT			1994				0			37.22					
AVE			66				0			1.13					
MAX			92				0			1.49					
MIN			30				0			0.79					

Ion Stear

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DAILY DISTRIBUTION MONITORING REPORT

**VILLAGE OF POPLAR GROVE
FOR THE MONTH OF Dec. 2023
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES**

Date	North System (Wells 2 & 3)			West System (Well 4)			South System (Wells 5 & 6)			Flouride Analysis								
	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	Slope Standard	Well #2	Well #3	Well #4	Well #5-6
1	School	0.75		1.01	Oak	0.55		1.29	Tower	0.78		1.37	dh			0.93	1.00	0.39
2																0.98	0.77	0.38
3																1.00	1.40	0.46
4	village	0.48		1.97	gas	0.49		1.21	tower	0.87		1.2	dh		1.20	0.80	0.54	
5	fh	0.81		1.46	tower	0.6		1.8	tower	0.73		0.72	dh		1.30	0.67	0.58	
6	TOWER	1.01		1.39	garage	0.54		1.45	tower	0.67		1.89	dh		0.82	0.77	0.41	
7	School	0.93		1.06	tower	0.59		1.26	tower	0.55		0.82	dh		0.91	0.89	0.64	
8	village	0.66		1.03	oak lawn	0.39		0.82	tower	0.61		0.97	dh		0.89	0.84	0.43	
9															0.42	0.40	0.40	
10															0.94	0.87	0.44	
11	TOWER	1.12		1.32	tower	0.77		1.01	tower	0.49		1.58	dh		0.94	0.82	0.45	
12	School	0.87		1.78	oak lawn	0.67		1.67	tower	0.84		0.82	dh		0.56	0.73	0.48	
13	village	0.71		2.01	gas	0.39		1.49	tower	0.54		1.33	dh		0.58	0.73	0.52	
14	fh	0.54		1.56	garage	0.93		0.61	tower	0.57		1.21	dh		0.71	0.80	0.47	
15	Village	0.97		1.2											0.77	0.79	0.59	
16															0.68	0.70	0.70	
17															0.72	0.71	0.52	
18	School	1		1.08	Garage	1.78		1.03	Tower	1.07		0.73	BH		0.96	0.78	0.52	
19	Village	1.06		1.02	Gas	1.09		0.71	Tower	1.14		0.65	BH		0.43	0.82	0.49	
20	Arturos	1.22		0.95	Tower	1.11		0.5	Tower	1.01		1	BH		1.20	1.10	0.57	
21	School	1.45		2.74	O. L	1.01		0.91	Tower	1.13		1.69	BH		0.76	0.73	0.54	
22															1.40	0.78	0.59	
23															0.96	1.20	1.80	
24															1.50	0.77	0.78	
25															0.73	1.10	0.51	
26					Gas	0.94		0.47	Tower	1.09		1.01			0.89	0.93	1.10	
27	village	1.17		0.5	Garage	0.85		0.9	Tower	1.23		0.67			0.81	0.68	0.55	
28	Village	1.14		1.51	Oak Lawn	0.69		0.96	Tower	1.15		1.01			1.00	0.71	0.60	
29	Village	0.98		1.57	Tower	1.09		0.87	Tower	0.97		1.01			0.84	0.73	0.54	
30															0.79	0.86	0.53	
31															0.90	0.82	0.60	
1																		

Signature:  Ion Stear

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