



April 3, 2022

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

2323 Fourth Street
P.O. Box 483
Peru, Illinois 61354
815-224-1650
800-659-4659
FAX 815-224-1688

Plant Type: Wastewater Treatment Plants: North: Class II Sequential batch reactors (SBR).testinc.com
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 January 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:

- Collins came out and cleaned the grease out of all the lift stations.
- Sable performed yearly lift station maintenance.
- As bad as the Woodstock Road lift station is with grease, we're going to start having them come 3 times a year rather than 1.
- Fixed a bad phone line at Ray Street and Whiting Road lift stations.

North WWTP:

- All standard monthly checks/maintenance/cleaning and producers were completed.
- Pulled all floats and transducers, cleaned rags off of them. This has been having to be done more than normal because of the screen being down.
- Because of the screen being down, we are manually raking the bar screen.
- Screen from Sable Mechanical has been ordered and will be put in as soon as the panel comes in.
- Once the weather breaks, we have a lot of small projects that will get started and finished.
- Tested all emergency wash stations and portable generators.

South WWTP:

- All standard monthly checks/maintenance/cleaning and producers were completed.
- Once the weather breaks, we will start on SBR3 at the south plant. We have pretty much everything. We are just waiting on the last few things to come back from Aqua Tec.
- We have finished rehabbing the UV lights.
- We received 2 pumps from Aqua Tec and installed them. One sand filter is back online.
- The other sand filter had a lot of metal in the oil when we changed it, so we have that apart and are looking for options on getting a gear. Aqua Tech has a new gear box for the unit, but it's almost \$3,000. We're looking for other options so that we can get it fixed for far less than that.
- Tested all emergency wash stations.
- Sent sludge to drying bed.

- Decanted digesters.
- Replaced 1 set of airlines for a decanter.

Water System:

- Cleaned well houses.
- Repaired a fan for the heater at well 3.
- Tested all emergency wash stations.
- Still waiting on the new pipe for well 5/6 because there is a part that's in bad shape.

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 #: Major:	IL0023451 No	Permittees: Permittee Address:	POPULAR GROVE, VILLAGE OF PO BOX 1 POPULAR GROVE, IL 61065	Facility: Facility Location:	POPULAR GROVE - NORTH WWTP, VILLAGE OF 205 ELDSON RD POPULAR GROVE, IL 61065
Permitted Feature:	001 External Outfall	Discharge:	001-0 STP OUTFALL	Status:	NetDMR Validated
Report Dates & Status	From 02/01/22 to 02/28/22	DMR Due Date:	03/25/22	Title:	
Monitoring Period:	Considerations for Form Completion BODV ID: W00701-0-007, DMR LOAD LIMITS DISPLAYED MONITORING LOCATION "*" IS FORMONTHLY AVERAGE AND DAILY MAXIMUM MONITORING LOCATION "8" IS FORWEEKLY AVERAGE.				
Principal Executive Officer					
First Name:	Ion				
Last Name:	Stear				
No Data Indicator (NODI)					
Form NODI:					

Code	Parameter Name	Monitoring Location	Season	Parent NODI	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1	-	Sample	9.276		8.02		Qualifier 3	7.8	19 -mg/L	02/DA - 2 Days Every Week	GR - GRAB	
					Permit Req.	>=		6.0 MO AV MN	>=	4.5 MN WK AV	4.0 DAILY MN	19 -mg/L	02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI										
X 00400	pH	1 - Effluent Gross	0	-	Sample	5.56		6.0 MINIMUM		Qualifier 3	7.77	12 -SU	02/DA - 2 Days Every Week	GR - GRAB	
					Permit Req.	>=		6.0 MINIMUM		Qualifier 3	9.0 MAXIMUM	12 - SU	02/DA - 2 Days Every Week	GR - GRAB	
					Value NODI										
X 00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample	20.808		49.381		Qualifier 3	31.0	19 -mg/L	02/DA - 2 Days Every Week	CP - COMPOS	
					Permit Req.	<=		250.0 DAILY MX		Qualifier 3	24.0 DAILY MX	19 -mg/L	02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI										
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	-	Sample	0.309		0.728		Qualifier 3	0.194	19 -mg/L	02/DA - 2 Days Every Week	CP - COMPOS	
					Permit Req.	<=		58.0 DAILY MX		Qualifier 3	5.4 DAILY MX	19 -mg/L	02/DA - 2 Days Every Week	CP - COMPOS	
					Value NODI										
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample	0.191		0.309		Qualifier 3			5989 - Continuous		
					Permit Req.	<=		Reg Non DAILY MX		Qualifier 3			5989 - Continuous		
					Value NODI										
50060	Chlorine, total residual	1 - Effluent Gross	0	-	Sample	3.345		6.372		Qualifier 3	0.0	19 -mg/L	01/30 - Monthly	GR - GRAB	
					Permit Req.	<=		200.0 DAILY MX		Qualifier 3	0.05 DAILY MX	19 -mg/L	01/30 - Monthly	GR - GRAB	
					Value NODI										
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	-	Sample	3.345		6.372		Qualifier 3	2.1	19 -mg/L	02/DA - 2 Days Every Week	CP - COMPOS	
					Permit Req.	<=		104.0 MO AVG		Qualifier 3	10.0 MO AVG	19 -mg/L	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

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments
Had an issues with high flow and sand filter being down, every thing is fixed and should be back to normal next month PH the sample collector grabbed it out of the wrong channel.

Attachments
No attachments

Report Last Saved By
POPULAR GROVE, VILLAGE OF

User:
IONSTEAR

Name:
Ion Stear

DMR Copy of Record

Permit #: IL0023451	Facility: POPLAR GROVE - NORTH WWTP, VILLAGE OF
Major: No	Facility Location: 203 EDSON RD POPLAR GROVE, IL 61065
Permitted Feature: INF Influent Structure	Status: MinitDMR Validated
Report Dates & Status: From 02/01/22 to 02/28/22	
Monitoring Period: From 02/01/22 to 02/28/22	
Considerations for Form Completion:	
BOW ID: W0070150007	
Principal Executive Officer:	
First Name: Jon	
Last Name: Stear	
No. Data Indicator (NODI)	
Form NODI:	
Monitoring Location: G - Raw Sewage Influent	
Screen & Panel: 0	
Quantity or Loading:	
Qualifier 1:	
Value 1:	
Qualifier 2:	
Value 2:	
Qualifier 3:	
Value 3:	
Quality or Concentration:	
Value 1:	
Value 2:	
Value 3:	
Frequency of Analysis:	
Sample Type:	

Code	Parameter Name	Monitoring Location	Screen & Panel	Quantity or Loading	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Quality or Concentration	Value 1	Value 2	Value 3	Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0								19 - mg/L	19 - mg/L	19 - mg/L	19 - mg/L	02/DA - 2 Days Every Week	CP - COMPOS
00550	Solids, total suspended	G - Raw Sewage Influent	0								141.8	141.8	141.8	141.8	02/DA - 2 Days Every Week	CP - COMPOS
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0								0.138	0.138	0.138	0.138	99/99 - Continuous	CP - COMPOS

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Testing, 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: dbungarner

Name: Elaine Bungarner

E-Mail: dbungarner@jeffco.com

Date/Time: 2022-03-18 13:15 (Time Zone: -05:00)

Report Last Signed By

User: JONSTEAR

Name: Jon Stear

E-Mail: jstear@jeffco.com

Date/Time: 2022-03-22 15:36 (Time Zone: -05:00)

DMR Copy of Record

Permit Permit #: IL0071447 Major: Yes	Facility: POPULAR GROVE VILLAGE OF 12211 STATE ROUTE 78 POPULAR GROVE, IL 61065
Permitted Feature: 001 External Outfall	Facility Location: POPULAR GROVE VILLAGE OF 200 S HILL ST POPULAR GROVE, IL 61065
Report Dates & Status Monitoring Period: From 02/01/22 to 02/24/22	Status: NetDMR Validated
Considerations for Form Completion BOW ID: VK07015006; CMI LOAD LIMITS DISPLAYED	Telephone:
Principal Executive Officer First Name: Ion Last Name: Stutz	
No Data Indicator (NDDI) Form NDDI: -	

Code	Parameter Name	Monitoring Location	Season & Param. NDDI	Sample Permit Req. Value NDDI	Quantity or Loading			Quality or Concentration			# of Ex.	Frequency of Analysis	Sample Type
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	1	-									GR - GRAB
				Sample Permit Req. Value NDDI		11.309		11.255	19 - mg/L		10.87	19 - mg/L	GR - GRAB
				Permit Req. Value NDDI		6.0 MO AV MN >=		4.5 MN WK AV	19 - mg/L		4.0 DAILY MN	19 - mg/L	GR - GRAB
													0
00400	pH	1 - Effluent Gross	0	-									GR - GRAB
				Sample Permit Req. Value NDDI		6.07		7.82	12 - SU		9.0 MAXIMUM	12 - SU	GR - GRAB
				Permit Req. Value NDDI		6.0 MINIMUM							GR - GRAB
00500	Solids, total suspended	1 - Effluent Gross	0	-									CP - COMPOS
				Sample Permit Req. Value NDDI		19.458		19.616	19 - mg/L		12.0	19 - mg/L	CP - COMPOS
				Permit Req. Value NDDI		250.0 MO AVG		500.0 DAILY MX	19 - mg/L		24.0 DAILY MX	19 - mg/L	CP - COMPOS
													0
00800	Nitrogen, total [as N]	1 - Effluent Gross	0	-									CP - COMPOS
				Sample Permit Req. Value NDDI							34.57	19 - mg/L	CP - COMPOS
				Permit Req. Value NDDI							Req Mon MO AVG	Req Mon DAILY MX	CP - COMPOS
													0
00510	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	-									CP - COMPOS
				Sample Permit Req. Value NDDI		0.535		1.556	19 - mg/L		0.952	19 - mg/L	CP - COMPOS
				Permit Req. Value NDDI		83.0 MO AVG		105.0 DAILY MX	19 - mg/L		5.2 DAILY MX	19 - mg/L	CP - COMPOS
													0
00865	Phosphorus, total [as P]	1 - Effluent Gross	0	-									CP - COMPOS
				Sample Permit Req. Value NDDI		0.584			19 - mg/L		0.357	19 - mg/L	CP - COMPOS
				Permit Req. Value NDDI		21.0 MO AVG			19 - mg/L		1.0 MO AVG	19 - mg/L	CP - COMPOS
													0
00500	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-									
				Sample Permit Req. Value NDDI		0.198		0.55	03 - MSD				9999 - Continuous
				Permit Req. Value NDDI		Req Mon MO AVG		Req Mon DAILY MX	03 - MSD				9999 - Continuous
													0
00500	Chlorine, total residual	1 - Effluent Gross	0	-									GR - GRAB
				Sample Permit Req. Value NDDI							0.0	19 - mg/L	GR - GRAB
				Permit Req. Value NDDI							0.05 DAILY MX	19 - mg/L	GR - GRAB
													0
00082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	-									CP - COMPOS
				Sample Permit Req. Value NDDI		2.902		6.539	19 - mg/L		4.0	19 - mg/L	CP - COMPOS
				Permit Req. Value NDDI		205.0 MO AVG		417.0 DAILY MX	19 - mg/L		20.0 DAILY MX	19 - mg/L	CP - COMPOS
													0

Submission Note
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Edit Check Errors
 No errors.

Comments

Attachments
 No attachments

Report Last Saved By
 POPULAR GROVE VILLAGE OF

User:
 ebungamer

DMR Copy of Record

Permit:	IL0071447	Permittee:	POPLAR GROVE, VILLAGE OF
Major:	Yes	Facility Location:	12311 STATE ROUTE 76 POPLAR GROVE, IL 61065
Permitted Feature:	INF Influent Structure	Discharge:	INF-L INFLUENT MONITORING
Report Dates & Status:		Status:	NetDMR Validated
Monitoring Period:	From 02/04/22 to 02/28/22	Telephone:	
Considerations for Form Completion:		Title:	
Principal Executive Officer:	Jon Stuar		
Last Name:	Stuar		
No Data Indicator (NODI)			
Form NODI:			

Code	Parameter Name	Monitoring Location	Season # (Spring, MOG)	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Unit	Quality of Concentration	# of Ex.	Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	Sample Permit Req. Value NODI				Req Mon MO AVG	100.357	19 - mg/L			03DWN - 3 Days Every Week	CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0	Sample Permit Req. Value NODI				Req Mon MO AVG	107.285	19 - mg/L			03DWN - 3 Days Every Week	CP - COMPOS
00665	Phosphorus, total (as P)	1 - Effluent Gross	0	Sample Permit Req. Value NODI				Req Mon MO AVG	8.283	19 - mg/L			03DWN - 3 Days Every Week	CP - COMPOS
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	Sample Permit Req. Value NODI				Req Mon MO AVG	23.024	19 - mg/L			03DWN - 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	ebungamer
POPULAR GROVE, VILLAGE OF	
User:	ebungamer
Name:	Elaine Bungamer
Email:	ebungamer@testing.com
Date/Time:	2022-03-18 13:19 (Time Zone: -0500)
Report Last Signed By	IONSTEAR
User:	ion Stuar
Name:	Ion Stuar
Email:	istuar@testing.com
Date/Time:	2022-03-22 15:36 (Time Zone: -0500)

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

Date	North System (Wells 2 & 3)				West System (Well 4)				South System (Wells 5 & 6)				Operator Initials	1.0 mg.L Standard	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			Well #2	Well #3	Well #4	Well#5-6
1-Feb	Tower	0.92		0.9	Tower	1.41		0.93	Tower	0.67		0.73	JS			1.40	0.68	0.39
2-Feb	Tower	0.85		0.62	Tower	1.42		1.54	Tower	0.71		0.68	KL			1.20	1.20	0.41
3-Feb	Fire Station	0.5		1.93	Garage	0.63		1.07	Tower	0.44		0.84	JS			0.68	0.59	0.37
4-Feb	Tower	0.9		0.57	Tower	1.38		0.99	Tower	0.76		0.98	JS			0.53	0.63	0.40
5-Feb																1.60	0.56	0.19
6-Feb																1.60	0.52	0.55
7-Feb	Elm	1.01		1.22	Gas Station	0.6		0.93	Tower	0.83		0.79	KL			1.60	0.56	0.43
8-Feb	Elm	0.69		1.18	Garage	0.68		1.16	Tower	0.76		1.19	KL			1.30	1.60	0.53
9-Feb	Village	0.15		1.12	Tower	0.51		1.24	Tower	0.77		0.5	JS			1.90	0.63	0.55
10-Feb	Tower	1.07		0.99	Tower	0.64		0.84	Tower	0.67		0.89	JS			2.50	0.77	0.56
11-Feb	Tower	1.03		1.05		2		1.03	Tower	0.81		0.62	KL			1.90	1.60	0.55
12-Feb																1.80	0.74	0.64
13-Feb																1.60	1.30	0.64
14-Feb	Elm	0.46		0.46	Gas Station	0.16		0.8	Tower	0.94		0.51	JS			1.50	0.70	0.53
15-Feb	Tower	1.02		0.78	Tower	0.3		0.93	Tower	0.7		0.5	JS			0.99	0.81	0.50
16-Feb	Village	0.21		1.24	Garage	0.45		1.13	Tower	0.82		0.66	JS			0.40	0.69	0.46
17-Feb	Tower	0.99		0.97	Tower				Tower	0.76		0.86	KL			1.30	0.72	0.48
18-Feb	Tower	0.95		0.8	Tower											1.10	0.74	0.45
19-Feb																1.30	1.70	0.44
20-Feb																0.34	1.60	0.54
21-Feb	Tower	0.91		0.82	Gas Station	0.23		0.96	Tower	0.94		0.67	JS			0.80	0.57	0.27
22-Feb	Elm	0.76		1.39	Tower	0.47		1.19	Tower	0.92		1.01	JS			1.10	0.72	0.52
23-Feb	Tower	1.17		0.88	Garage	0.3		1.13	Tower	0.71		0.96	JS			1.50	0.72	0.45
24-Feb	Village	0.13		1.2	Tower	0.6		0.66	Tower	0.92		1.16	JS			0.99	0.71	0.49
25-Feb	Tower	1.38		1.13	Tower	1.69		2.02	Tower	1.05		0.85	KL			0.84	1.20	0.48
26-Feb																0.57	0.57	0.61
27-Feb																0.64	0.84	0.55
28-Feb	Tower	1.26		0.63	Gas Station	0.32		1.36	Tower	1.02		0.86	KL			0.66	0.82	0.61

Signature:  Jon Stear
PHONE: 815-224-1650

IL0070150

Ion Stear

SIGNATURE:
PHONE: 815-224-1650

IL0070350
MONTHLY

1358	49	98	115
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(ii)

SIGNATURE:
PHONE: 815-224-1650

IL0070300
MONTHLY

SIGNATURE:  Jon Stear
PHONE: 815-224-1650

SIGNATURE:
PHONE: 815-224-1650