

WPCA COMMUNICATIONS AND REPORTS

March 21, 2023

The following is a monthly report from the Superintendent of Pollution Control as an appendix to the Water Pollution Control Authority meeting.

General Information

Oakland Road CCTV and Cleaning

An on-call contractor has been hired to clean and inspect approximately one mile of sewer pipe in Oakland Road. DOT Encroachment permits have been obtained and the project began the week of February 20th.

Manhole Raising

Our staff has identified 17 manholes to be raised to grade. Seven of the manholes are located in Rights-of-way and are scheduled to be completed in the coming weeks. The remaining 10 manholes are located in the roadway and can not be raised to grade until the asphalt plants open in the spring.



A manhole located 8" below grade.

Treatment Plant and Collection Systems

Treatment Plant

Process

TREATMENT PLANT	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	AVERAGE
AVG FLOW (MGD)	3.07	3.30	3.12	2.55	2.39	2.10	2.06	2.20	2.23	2.35	2.58	3.25	2.60
BOD REMOVAL	98.6%	98.1%	98.9%	99.0%	98.7%	98.4%	98.0%	98.4%	98.5%	97.8%	98.4%	98.4%	98.4%
TSS REMOVAL	98.9%	97.9%	99.0%	99.1%	99.0%	99.1%	98.0%	98.2%	98.8%	97.8%	98.6%	98.8%	98.6%
NITROGEN LBS. (106 LBS. LIMIT)	87	86	96	84	95	100	85	94	89	93	92	98	92
NITROGEN mg/L	3.5	3.5	3.7	3.9	4.7	5.5	4.9	4.9	4.6	4.6	4.2	3.8	4.3

Maintenance

- Performed annual wear ring tolerance check on Influent Pumps.
- Replaced trunions, diaphragm and clack valve on Scum Pump 2.
- Repaired sodium hypochlorite pump.
- Performed routine maintenance on Control Building filtrax system and ammonia analyzer.
- Identified and repaired root cause of main plant generator voltage issue.
- Performed preemptive maintenance on odor control system.

- Continued valve repair in Sludge Storage gallery.
- Replaced light fixtures with LED lighting to improve site lighting and reduce energy consumption.

Collection System

COLLECTION SYSTEM	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	TOTAL FT
CCTV (FEET)	1,950	8,538	4,681	0	3,033	5,129	3,695	2,282	1,642	0	2,655	8,414	42,019
CLEANING (FEET)	1,550	3,677	1,500	1,739	4,413	7,047	6,275	4,883	5,546	4,748	1,800	5,339	48,517

- Replaced suction hose on Jet/Vac truck.
- Replaced pump seals at Quarry Brook Pump Station and changed out contaminated oil. Waiting on additional seals to complete the work.
- Completed semiannual pump greasing at all dry pit pump stations.
- Degreased Benedict Drive Pump Station.
- CCTV and line cleaning work.

Call Outs

CALL OUTS	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	TOTAL
TREATMENT PLANT	1	3	0	2	3	2	2	1	3	5	4	2	28
PUMP STATIONS	0	3	0	2	1	5	2	2	1	2	4	2	24
SEWER BLOCKAGES	0	0	0	0	1	0	0	0	0	0	0	1	2
CALL BEFORE YOU DIG	0	0	0	0	1	0	1	0	0	2	1	1	6
ODOR COMPLAINT	2	2	7	5	8	1	0	3	2	1	0	1	32

Capital Improvement Project Updates

Clark Street, Benedict Drive, Pleasant Valley Pump Station Upgrades

Nothing new to report.

Next Steps:

- *Submit design to DEEP for review and approval (min. 90-day review).*
- *WPCA and Town Council Resolution to enter into CWF agreement*
- *Bid project.*

Aeration Weir Gate Improvements

The WPCA approved transferring \$750,000 from FY21/22 CIP (Phase IV Part 1 Sewer System Improvements) to complete critical improvements to the aeration basin weir gates. An additional \$50,000 was approved with the FY22/23 CIP budget.

- Bidding period was opened in February.
- Pre-Bid conference is scheduled for March 7th with prospective bidders
- Bids are scheduled to be opened March 20th.

American Rescue Plan Act (ARPA) Funded Projects

Phase IV Sewer System Improvements

This project has been approved utilizing American Rescue Plan Act funds. The budget for this project is \$1,100,000.

- Project retainage (\$47,933) will be held for 1 year and released November 2023.

UV Disinfection Upgrade

This project has been approved utilizing American Rescue Plan Act funds. The original budget for this project was \$1,300,000. In February 2022 the Authority approved transferring \$120,000 from this project to the Clark Street Bypass Valve project.

- Anticipating bidding the project in April.

Clark Street Bypass Valve

This project has been approved utilizing American Rescue Plan Act funds. The original budget for this project was \$100,000. In February 2022 the Authority approved transferring \$120,000 from the UV Disinfection Upgrade project to the Clark Street Bypass Valve project.

- Project was completed. Waiting to release final pay requisition.

Collection of Sewer User Fees and Delinquent Accounts

Sewer Collection Rate	2021 Grand List	2022 Grand List	2023 Grand List
Commercial	99.76%	99.60%	n/a
Residential	n/a	95.70%	96.64%

Delinquent Balances	Commercial	Residential
2008-2021/2022 Grand List	\$.00	\$ 75,206.56
2022 Grand List	\$ 6,771.16	n/a
2023 Grand List	n/a	\$146,172.01
Total Delinquent Balance	\$ 6,771.16	\$221,378.57

- Above data includes lien fees and interest.
- \$42,357.44 of sewer revenue was collected in February.

Respectfully submitted by: Tony Manfre, Superintendent of Pollution Control