

WPCA COMMUNICATIONS AND REPORTS

February 6, 2024

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

General Information

Odor Control Resolution

The Town Council approved at its Regular Meeting of January 16, 2024, the resolution endorsed by the WPCA to accept a \$1.3 million grant from the State Bond Commission for odor control improvements. The resolution has been submitted to DEEP for review and approval in order to execute an agreement for the funding.

Treatment Plant and Collection Systems

Treatment Plant

Process

TREATMENT PLANT	Permit Limit	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	AVERAGE
AVG FLOW (MGD)	3.75 MGD/Day	3.25	2.91	3.29	3.02	3.04	3.17	3.16	2.63	2.87	3.36	3.01	3.34	3.06
BOD REMOVAL	85%	99%	99%	99%	99%	98%	99%	99%	99%	98%	98%	96%	96%	98.4%
TSS REMOVAL	85%	99%	99%	99%	99%	98%	99%	99%	99%	98%	98%	97%	97%	98.8%
NITROGEN	106 Lbs/Day	98	89	91	96	111	90	104	92	111	106	124	130	101
NITROGEN mg/L	-	3.8	3.5	3.3	3.7	5.2	4.4	5.0	4.1	3.8	3.9	5.5	4.6	4.2

Maintenance

- Cleaned biofilter drain line.
- Replaced Sinus Filter Capacitors on all three Neuros Aeration blowers.
- Worked with Nickerson to inspect and test new aeration basin gates.
- Inspected and repaired offline Gravity Thickener.
- Began work to install new Ammonia/Nitrate probes on Aeration Basins 1 and 2.
- Performed routine carbon filter system cleaning and maintenance.
- Continued work on cleaning sodium hypochlorite room and making repairs to the system.
- Replaced squeegees on Secondary Clarifiers 1 and 2.

Collection System

COLLECTION SYSTEM	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-22	Jul-22	Aug-22	Sep-23	Oct-23	Nov-23	Dec-23	TOTAL FT
CCTV (FEET)	8,414	14,525	8,722	15,978	4,027	13,831	5,129	9,427	4,912	888	7,491	8,048	101,392
CLEANING (FEET)	5,339	13,903	5,500	7,400	3,200	2,850	7,047	3,149	1,739	1,800	3,111	4,205	59,243

- Continued line cleaning and CCTV work.

- Worked with Reliable Electric Motor to test pump motors at Benedict Drive Pump Station.
- Used Vac truck to clean out manholes on Pleasant Valley Road.
- Degreased Benedict Drive and Avery Street Pump Stations.
- Repaired faulty CCTV Van Generator.

Call Outs

CALL OUTS	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	TOTAL
TREATMENT PLANT	2	1	1	2	3	3	3	0	1	2	1	0	19
PUMP STATIONS	2	3	0	1	2	1	1	2	1	0	0	4	17
SEWER BLOCKAGES	1	0	0	0	0	1	0	0	1	0	0	0	3
CALL BEFORE YOU DIG	1	1	0	0	0	1	1	0	0	0	0	0	4
ODOR COMPLAINT	1	2	2	6	4	8	0	0	0	0	0	0	23

Capital Improvement Project Updates

Clark Street, Benedict Drive, Pleasant Valley Pump Station Upgrades

- The final design plans and bid specifications have been submitted to DEEP for review and approval.
 - DEEP has a minimum review period of 90 days.
- DEEP has approved the Town's request to sole source VFD drives for the pump station upgrade.

Next Steps:

- *WPCA and Town Council Resolution to enter into CWF agreement*
- *Bid project.*
- *DEEP review of bid responses and selected contractor.*

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 increasing the total project budget to \$800,000. Project was awarded to C.H. Nickerson for \$552,345.

- Project has been completed and all four gates have been placed into service.

Next Steps:

- *Release final retainage.*

Odor Control Improvements

The WPCA approved \$245,000 with the FY2024 CIP budget. An additional \$1,300,000 was allocated to the project from the State Bond Commission in July 2023.

- Town Council approved resolution approving acceptance of state grant funding for odor control upgrades.

Next Steps:

- *Execute agreement with DEEP to receive funding.*
- *Open design consultant search.*
- *Begin design.*

Sanitary Sewer Evaluation Survey

The WPCA appropriated \$800,000 to perform a study of the Clark Street Sewer Sheds. The study includes flow metering, I/I identification, smoke testing and CCTV pipe evaluation. This project is being submitted for CWF grant funding.

- DEEP has reviewed and approved the scope and fees for this project. This is a necessary step towards applying for Clean Water Fund grants.
- We are in the process of executing the agreed upon terms with Wright Pierce.
- A project kick off meeting and site evaluation are being scheduled for February.

Next Steps:

- *Complete CWF application process.*
- *Design Project.*

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.

- *Nothing new to report.*

Next Steps:

- *Release project retainage (\$47,933).*

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.

- Project bidding period opened January 25, 2024 with a closing date of February 26th.
- Continuing to pursue grant funds through Eversource.

Next Steps:

- *Select contractor.*
- *Submit proposed equipment to Eversource as part of the grant application.*

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 retainage was released.

Next Steps:

- *Project closeout.*

Collection of Sewer User Fees and Delinquent Accounts

- Below are the collection rates as of January 31, 2024, compared to January 31, 2023.

Collection Rate	2022 Grand List	2023 Grand List	2024 Grand List
Commercial	99.60%	88.82%	n/a
Residential	n/a	95.74%	95.02%

- The Collector of Revenue's office recovered delinquent sewer fees at the tax sale held January 10:

Property Location	Grand Lists Delinquent	Fees Recovered
90 Diane Drive	2020 - 2024	\$3,047.70
62 High Ridge Road	2021 -2024	\$2,363.90
	Total recovered	\$5,411.60

- Four hundred sixty-seven alias tax warrants have been issued for residential sewer accounts. State Marshals and Constables are actively pursuing and will retain the ability to collect through March 15 or March 31, as two batches were issued this month. Accounts that had an active payment plan or a balance less than \$100 were not issued to an agent, office staff will continue to handle those accounts.

Respectfully submitted by: Tony Manfre, Superintendent of Pollution Control