

WPCA COMMUNICATIONS AND REPORTS

March 5, 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

Sanitary Sewer Evaluation Study

A kickoff meeting was held to review the scope of work and project schedule. The consultant is planning to install 11 flow meters within the Clark Street Pump Station sewer sheds during the second week of March. They will be monitoring flows over the following 12 weeks. The data collected will be used to identify areas of excessive infiltration.

Biofilter Media Replacement

The Towns Street’s Department is assisting in replacing the biofilter media as a proactive measure to ensure the most effective odor control treatment until the planned improvements are made to the system.

Benedict Drive Alarm Float Improvements

Improvements to the backup alarm floats for the Benedict Drive Pump Station wet well have begun. The contractor is reconfiguring the existing alarm system to have the floats directly control the pumps variable frequency drives. The current system runs through the programmable logic controller.

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 and inspected Grit Chamber 1 and adjusted elevator chain.
- Replaced faulty hydraulic lines on Tool Cat Snowblower.

- Worked with FloTech to troubleshoot Influent Pump 1 VFD issues.
- General housekeeping of all motor control centers.
- Replaced valves and fittings in Sodium Hypochlorite room.
- Performed annual cleaning of TWAS Tank.
- Repaired TWAS inlet valves.
- Replaced wear plate on TWAS Pump 2.
- Rebuilt TWAS Pump 1.

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

- Completed training on new VACALL combo truck.
- Cleaned Clark Street check valves.
- Cleaned Benedict Drive check valves.
- Pulled and inspected Benedict Drive Pump Station grinder.
- Degreased Benedict Drive Pump Station.
- Tested pump emergency stop functionality at all dry pit pump stations.
- Performed annual pump station generator maintenance.
- Continued sewer line cleaning and CCTV inspection work.
- 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

- Nothing new to report.

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.

- Nothing new to report.

Next Steps:

- *Release final retainage November 2024.*

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.

- Nothing new to report.

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.

- *Scope and fee agreement has been executed with Wright Pierce.*
- *Consultant was on site to find best locations for flow meters to be installed.*
- *Preconstruction meeting was held to discuss project scope and schedule.*

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 was extended one week to March 4th.*

Next Steps:

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

Collection of Sewer User Fees and Delinquent Accounts

Report provided at meeting.

Respectfully submitted by: Tony Manfre, Superintendent of Pollution Control

South Windsor Collector of Revenue Report

March 5, 2024 WPCA Meeting

Below are the collection rates as of February 29, 2024, compared to February 28, 2023.

Collection Rate	2022 Grand List	2023 Grand List	2024 Grand List
Commercial	99.60 %	91.15%	n/a
Residential	n/a	96.64 %	96.61%

- Collector of Revenue will continue to utilize collection tools permissible by CT General Statutes to make outstanding accounts current.
- Commercial sewer collections remain low in comparison to last year, this is attributed to 50 Talbot Road who we are actively being pursued with assistance of the Town Attorney.
- Warrants will be renewed for a final time, they will expire 03/31/2024.
- There were 300 alias tax warrants reissued amongst all four agents; there were 467 initial warrants.