

# WPCA COMMUNICATIONS AND REPORTS

April 6, 2021

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

## General Information

### Commercial/Industrial Billing

The Commercial/Industrial sewer user bills were sent out in March with an April 1<sup>st</sup> due date. A total of 359 accounts have been billed \$1,419,018.61. Despite an additional 6 accounts this year, the commercial/industrial flows decreased by 8% which resulted in a \$27,000 reduction in revenue when compared to last year. With the anticipated end of the COVID-19 pandemic and the State government lifting restrictions, I am expecting flows to return to a normal level by the end of the calendar year.

### Miscellaneous Industrial Users

Through informal discussions with surrounding WPCF superintendents it is clear that each municipality is handling the discharge notifications differently. As we develop the general outline of this process it will begin to clarify the impact on our administrative resources along with inspection and enforcement requirements. I will continue to provide reports to the WPCA.

## Treatment Plant and Collection Systems

### Treatment Plant

#### *Process*

TREATMENT PLANT	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-20	Feb-20	AVERAGE
AVG FLOW (MGD)	2.74	2.93	2.70	2.19	2.10	2.04	1.85	1.92	2.13	2.79	2.92	2.63	2.41
BOD REMOVAL	99.0%	97.0%	98.0%	99.0%	98.8%	99.1%	98.8%	98.0%	98.6%	97.3%	95.7%	98.2%	98.1%
TSS REMOVAL	99.0%	98.0%	98.0%	99.0%	98.9%	99.0%	98.6%	98.0%	98.7%	97.7%	95.6%	98.8%	98.2%
NITROGEN LBS. (106 LBS. LIMIT)	96	126	108	82	95	84	80	87	85	113	115	95	97.17

#### *Maintenance*

- Complete rebuild of Thickened Primary Sludge Pump 1, which was underperforming due to considerable wear on internal components.
- Finished rebuild of Plant Water Pump 1 with new shaft, impeller, bearings, and bearing housing. Also completed realignment of both Pump 1 and Pump 2.
- Removed grit build up in Headworks from both the main channel and the bypass channel.
- Replaced failing motor on Secondary Clarifier 2 Drive.

- Replaced bearings and bearing housings on all four Secondary Clarifiers.
- Cleaned all channels, weirs, and Parshall Flume in preparation for upcoming Disinfection Season.

## Collection System

COLLECTION SYSTEM	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-20	Feb-20	TOTAL FT	TOTAL MI
CCTV (FEET)					23,128	23,724	58,045	9,992	5,223	14,848	6,544	7,100	148,604	28.1
Contracted CCTV					0	0	13,744	17,617	20,392	0	3,374	0	55,127	10.4
CLEANING (FEET)					27,458	25,301	65,099	28,250	25,000	10,000	3,000	4,500	188,608	35.7

- Worked with Insituform for onsite inspection of CIPP installation on Chapel Rd. The project is now complete with the exception of one section on Clark Street.
- Continued with sewer line cleaning and CCTV Inspection.
- Inspected sewer easements in preparation for the next phase of Vegetation Management.
- Performed spot repair for worn volute on Clark Street Pump Station Pump 1.
- Assisted Aaron Associates with HMI replacement at Clark Street Pump Station.

## **Capital Improvement Project Updates**

### Clark Street, Benedict Drive, Pleasant Valley Pump Station Upgrades

- Worked with Arcadis on different aspects of pump station design, environmental hazard assessments, soil boring locations.
- Soil borings were completed.

#### *Next Steps:*

- *Engineer to perform Connecticut Environmental Policy Act (CEPA) Permit Review*
- *Develop 30% and 60% design*
- *Project design phase*
  - *Complete 90% design (est. 36 weeks from the January 4, 2021 NTP).*
- *Submit design to DEEP for review and approval (min. 90 day review).*

### Chapel Road Phase 2

- There is one section of pipe remaining for the project. Due to complications during the initial installation attempt the liner tore and became unusable. As a result Insituform had to remove the liner. A new liner was ordered and Insituform is expected to be back on-site at the end of April to complete the last segment and conclude the project.

## **Collection of Sewer User Fees and Delinquent Accounts**

### Collector of Revenue Report

Final notices were sent out to account holders with balances that are not part of the tax sale, have an active warrant or a current payment plan. Any accounts that do not receive payment by March 31, 2021 issued to the State Marshal for collection.

*Respectfully submitted by: Tony Manfre, Superintendent of Pollution Control*