

WPCA COMMUNICATIONS AND REPORTS

October 6, 2020

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

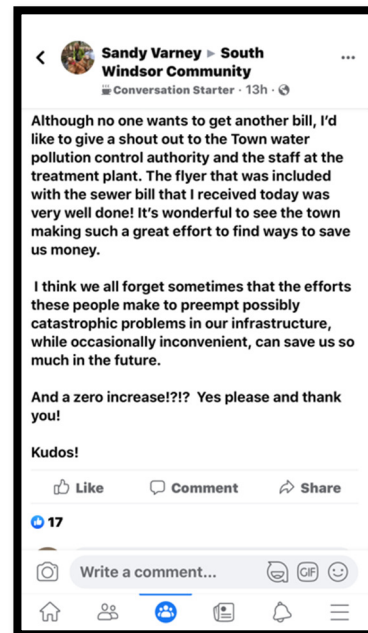
General Information

Enel X Demand Response Program

The Enel X Demand Response Program gives facilities such as our treatment plant the ability to shed commercial power during non-emergency events when there is a high demand on the grid, and instead run on generator power for a period of time. The benefit to Eversource is continuous uninterrupted power for the vast majority of its customers. The benefit to our Water Pollution Control Facility is \$20,000 per year for the next three years. The maximum number of hours Eversource can request that we shed power is 25 hours per year. Even when considering the cost of labor and diesel fuel to make this happen we determined that the money gained will far outweigh our costs. The other advantage to our facility is that we will get advanced notice if a brown out is anticipated, giving us the opportunity to move over to generator power during regular working hours. This has the potential to save us a good deal of money on expensive call outs. With Air Quality Permitting finally complete with Connecticut DEEP we are ready to move forward with this program in 2021. Enel X has been excellent to work with, and they have assured us that it is highly likely we will be able to extend this agreement after the 3 year term is up.

Residential Sewer User Billing List

The draft residential billing list is being prepared by Quality Data Services for review. Residential bills were mailed out September 18th with an October 1st due date. The brochures that were sent with the bills were well received.



Treatment Plant and Collection Systems

Treatment Plant

Process

TREATMENT PLANT	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	AVERAGE
AVG FLOW (MGD)	2.03	2.11	2.21	2.93	2.84	2.82	2.74	2.93	2.70	2.19	2.10	2.04	2.47
BOD REMOVAL	99.0%	98.0%	99.0%	98.0%	99.0%	99.0%	99.0%	97.0%	98.0%	99.0%	98.8%	99.1%	98.6%
TSS REMOVAL	98.0%	98.0%	99.0%	99.0%	99.0%	99.0%	99.0%	98.0%	98.0%	99.0%	98.9%	99.0%	98.7%
NITROGEN LBS. (106 LBS. LIMIT)	88	81	86	103	104	87	96	126	108	82	95	84	95

- Completed a DEEP Desk Audit (Virtual Inspection) per our NPDES permit

Maintenance

- Cleaned, inspected, and repaired electrical cabinets and breakers in all 10 motor control centers. Rodent infestations were found in 10 cabinets, 2 of which had led to electronics failures. This work took a week for two electrically qualified employees to complete safely and has mitigated future risk of fire and equipment damage.
- Replacement of a failed Biofilter Leachate submersible pump.
- Cleaning and inspection of Sludge Storage Tank 3 in preparation for to repair and coat the concrete floor.
- All Clarifier and Gravity Thickener drives have been changed over to cold weather oil.
- A faulty odor control fan motor was repaired.

Collection System

- Performed a successful bypass exercise at Clark St Pump Station that gave us valuable insight into the effectiveness of our Godwin portable pump. Clark Street conveys 40-45% of the town's wastewater and can see flows as high as 2 million gallons a day during wet weather events.
- Replaced failing submersible pump at Avery St Pump station with a rebuilt pump.
- Removed grease mats at Rye St. and Benedict Drive pump stations.

Capital Improvement Projects Update

Quality Based Selection for Engineering Services – Pump Station Upgrades

- The draft scope and fees for the project design have been submitted to DEEP for review and approval
 - There is a 90 day minimum review period
 - Draft agreement was submitted to DEEP June 23, 2020

Next Steps:

- *Execute agreement upon DEEP approval*
- *Project design phase (est. 32 weeks)*
- *Submit design to DEEP for review and approval (min. 90 day review)*

Chapel Road Phase 2

- Project bid opening is September 17, 2020 with a November construction date
- Project budget \$1,690,000
- Received the following bids:
 - Insituform \$ 747,205.00
 - Green Mountain Pipeline \$ 896,896.00
 - North American Pipeline \$1,397,872.00
 - National Water Main \$1,529,000.00
 - Granite Inliner \$1,554,525.10
- Project will be awarded to Insituform the first week of October
- Expecting to complete the work by the end of December

Ellington Road Sewer Extension Design

- Sunset Construction was on-site September 8th.
- Substantial completion is expected by the end of the first week of October.

Collection of Sewer User Fees and Delinquent Accounts

Collector of Revenue Report

- Residential sewer user bills were sent September 18th
- ACH fee's will be waived September 25th – November 2nd

TaxServ Collection Report

Please see attached report.

Respectfully submitted by: Tony Manfre, Superintendent of Pollution Control