

# WPCA COMMUNICATIONS AND REPORTS

October 5, 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

### Clean Water Fund Changes

DEEP has revised the terms for collection system loan amounts in the latest version of the Clean Water Fund Priority List. The last Priority List did not have a project cap for collection system loans, which includes pump stations. The newest version includes a \$4,000,000 cap per municipality per year for loan amounts. The planned pump station upgrades are expected to exceed the loan cap. The initial intent was to apply for a CWF loan in the total amount to upgrade all three stations. The change to the terms of the program will require us to apply for a loan for each pump station and upgrade one per year unless two can be upgraded for under the \$4,000,000 limit.

### Residential Sewer User Billing List

The residential sewer user bills have been sent out with a due date of October 1, 2021. The billing list includes 8,648 accounts totaling \$3,589,750; 196 account holders qualified for the income eligible discount program costing a total of \$20,106.75. The total residential revenue due to the WPCA is \$3,569,228.25.

### ClearGov Webpage

The ClearGov webpage is now active to give viewers updates on project status, budget, location, etc. A button has been added to the Town's home page that will directly link to ClearGov.



# Treatment Plant and Collection Systems

## Treatment Plant

### *Process*

TREATMENT PLANT	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	AVERAGE
AVG FLOW (MGD)	1.85	1.92	2.13	2.79	2.92	2.63	2.76	2.61	2.57	2.55	4.67	3.57	2.75
BOD REMOVAL	98.8%	98.0%	98.6%	97.3%	95.7%	98.2%	98.4%	98.6%	98.6%	99.0%	97.4%	98.4%	98%
TSS REMOVAL	98.6%	98.0%	98.7%	97.7%	95.6%	98.8%	99.0%	98.6%	98.6%	98.9%	97.4%	98.3%	98%
NITROGEN LBS. (106 LBS. LIMIT)	80	87	85	113	115	95	87	86	96	87	142	102	97.86

### *Maintenance*

- Completed 2021 Nitrogen Credit Report for CT DEEP
- Repair and replacement of 2 Aeration Blower Flange doors
- Replacement of scum removal squeegees on all primary and secondary clarifiers
- Routine maintenance and repair of process control analyzers
- Repair of broken 4" cast iron drain line in control building basement
  - Line and cleanouts were replaced with PVC pipe to avoid any further issues
- Degreasing and grit removal in Headworks Bar Screen Channel and bypass grinder channel

## Collection System

COLLECTION SYSTEM	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
CCTV (FEET)	58,045	9,992	5,223	14,848	6,544	7,100	8,621	2,977	4,077	5,457	0	0
Contracted CCTV	13,744	17,617	20,392	0	3,374	0	21,414	18,569	10,254	0	0	9,693
CLEANING (FEET)	65,099	28,250	25,000	10,000	3,000	4,500	7,251	22,000	12,300	0	2,200	6,050

- Repair of broken suction plate on Clark Street Pump 3
- Grease and rag removal from Quarry Brook pumps and check valves
- Bypass valve exercises at all 11 pump stations
- Emergency repair of broken float and level transmitter at Pleasant Valley Pump Station
- Continued line cleaning and CCTV Work, mostly in neighborhoods that feed Clark St Pump Station

## Capital Improvement Projects Update

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

- Arcadis continues to work on design

#### *Next Steps:*

- *Engineer to perform Connecticut Environmental Policy Act (CEPA) Permit Review*
- *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)*

#### Phase IV Part 1

*This project has been approved with the FY22 WPCA budget and will include the lining of sewer pipe and rehabilitation of manholes. The line item budget is \$750,000.*

- Bid specs need to be updated
- Expecting to bid project in November
- Construction is expected to begin in January 2022
- Project is planned to be completed by March 2022

### **American Rescue Plan Act (ARPA) Funded Projects**

#### Phase IV Part 2

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

- Bid specs need to be updated
- Expecting to bid project in November
- Construction is expected to begin in January 2022
- Project is planned to be completed by March 2022

#### UV Disinfection Upgrade

*This project has been approved utilizing American Rescue Plan Act funds. The budget for this project is \$1,300,000.*

- Planning to hire a design engineer by December
- Design work will begin when engineer is hired
- Project is expected to be bid in late summer
- Construction will take place after October 1, 2022 when disinfection is no longer required per our NPDES permit.

#### Clark Street Bypass Valve

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

- Project is expected to go out for bids in November
- Construction is dependent on valve availability
  - 3+ month lead time

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

*Report will be provided on October 5, 2021.*

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