



## TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, June 12, 2024

4:30PM

Via VIDEO/TELECONFERENCE

### Attendees:

Ed Kelly	Acting Chairman, Technical Committee
Steve Bagwin	Committee Member
Merritt Negin	Committee Member
Bill Brink, P.E.	Executive Director, WPCA
Ann Brown, P.E.	Supervising Engineer, WPCA
Steve Pietrzyk	Collection System Supervisor, WPCA
Brian Teitelbaum	Stamford Resident, Willard Terrace

1. Call to Order and Roll Call – E. Kelly called the meeting to order at 4:30 PM and announced the attendees as listed above.
2. Approval of May 15, 2024 Meeting Minutes – E. Kelly made a motion to approve the minutes of the May 15, 2024 Technical Committee Meeting. The motion was seconded by S. Bagwin. Motion carried 3-0-0.
3. Public Comments – Brian Teitelbaum thanked the Committee for moving forward with the Perna Lane Sewer Extension.
4. Discussion and Approval of Bid Waiver for A. Vitti to install conduit for electric service to Barry Place Pump Station in an amount not to exceed \$270,016.48 – A. Brown gave a brief overview of the situation at Barry Place Pump Station. She explained that the station has a leaking roof and water is in the building making it unsafe for the electric power to remain on. The pump station will be on generator power until electricity is restored. WPCA has plans and an easement approved by Eversource for the conduit. Based on the plans, she requested quotes from 4 Contractors. Only 2 submitted quotes. A. Vitti is the lowest quote in the amount of \$270,016.48. Eversource is familiar with Vitti and has no issue with their work. WPCA is requesting approval for a bid waiver in the amount of \$270,016.48. WPCA will be meeting with the adjacent property owner to discuss cost sharing for a part of the conduit. The Technical Committee agreed to recommend approval of a bid waiver for A. Vitti to the Full Board.
5. Discussion and Approval of Amendment No. 3 to Gannett Fleming's Contract for Sludge Degritting in an amount not to exceed \$130,000 - A. Brown explained that there was work requested of Gannett Fleming, in addition to the scope of work in the original contract, due to rebidding of the project and conditions found during construction. A. Brown listed the additional items. Gannett Fleming is requesting an additional \$130,000 which will be Amendment #3. The Technical Committee agreed to recommend approval of Amendment #3 in the amount of \$130,000 for Gannett Fleming to the Full Board.
6. Discussion on Collection System – S. Pietrzyk presented the Monthly Pump Station and Collection Activities, which is attached and made part of these minutes. Steve gave an update on the Edice Road project indicating that Aquarion Water has been called out to the site to resolve a conflict between the water main and the sanitary sewer.
7. Discussion on Plant Operations – B. Brink presented the Monthly Operating Report and Equipment Update to the Committee, which is attached and made part of these minutes. He indicated that flows are below average for May although concentrations have increased. Effluent quality is excellent.
8. Update on Engineering Studies and Designs – A. Brown provided the Committee with a Capital Projects Update including engineering studies and designs, which is attached and made part of these minutes.
9. Update on Construction Projects – A. Brown provided the Committee with a Capital Projects Update including construction projects, which is attached and made part of these minutes. Ann gave an update on

Perna Lane Sewer Extension Project saying that the Contractor started saw cutting the pavement on High Ridge Road and Perna lane and installing sewers on Perna Lane the week of June 3rd. Stakes were provided to homeowners so the locations of the lateral stubs can be identified.

10. Old Business – None.

11. New Business – None.

There being no further issues to discuss, E. Kelly made a motion to adjourn the meeting, seconded by S. Bagwin; motion carried 3-0-0. The meeting adjourned at 5:05pm.

## Monthly Activities (05/14/24 to 06/10/24)

### Collection and Pump Station Division

#### Overview of Pump Station and Gravity Collection Systems:

1. Pump station inspections for 22-sanitary sewer and 4-stormwater stations (172)
2. Pump station call-out activities (12)
3. Manhole Inspections (272)
4. Gravity line service calls investigated (10)
5. Private lateral investigations and repairs in City ROW (2)
6. Sewer line repair (1)
7. Manhole repair(s) (4)
8. CCTV sanitary sewer lines (0 LF)
9. Sewer line cleaning (2.2 miles)

#### Pump Stations:

1. Performed monthly landscape maintenance activities at pump stations.
2. Exercised portable generators.
3. Performed electrical preventative maintenance inspections at various pump stations.
4. WPCA mechanics are providing and monitoring auxiliary power supply to Barry PL. pump station until new permanent power can be installed.

#### Collection System:

1. Crew jetted lines on Edice RD.; Bradley PL., Berrian RD., Fawn DR., Dannell DR., Myano LN., Woods End RD., Pepper Ridge RD., and Woodland Ave.

#### Miscellaneous:

1. Provided sanitary sewer plan sheet information to various civil engineers and/or contractors working on City development projects.
2. Completed plan reviews for multiple utility projects in close proximity of WPCA's infrastructure and provided summary comments.

**Overview of Regulatory Compliance:**

1. Initial building permit reviews (9)
2. Re-review of building permit applications (34)
3. Sanitary sewer tie-in plan reviews (2)
4. Zoning permit application reviews (4)
5. Initial Food Service Establishment (FSEs) Inspections (6)
6. FSE Follow-up Inspections (30)
7. Notice of violations (NOVs) Issued (8)
8. CTDEEP General Permit plan reviews or applications (2)

**Work performed by outside contractors:**

1. Vitti Construction repaired two (2) private laterals in the City ROW at 282 Eden RD. and 185 Dunn Ave.
2. Vitti Construction repaired four (4) manholes at 27 Three Lakes DR., 401 Pacific ST., intersection of Urban ST. and Revonah Ave., and 54 Schuyler Ave.
3. Vitti Construction repaired a section of sanitary sewer line on Woodland Ave.
4. Total fence installed a new metal gate at Carter DR. pump station.
5. GA Fleet Associates installed new pump station communication system at Clay Hill pump station, and began working on the installation at Burwood pump station.



## June 2024 TECHNICAL COMMITTEE REPORT

Monthly Operating Report data:	May Results		Historical (May) Monthly AVG	Permit or Design Limit	Percent of Design Capacity (May)
	This month (May)	Last month (Apr)			
Q (FLOW) DAILY AVG MGD	14.7	19.9	16.8	24	61%
Q MAXIMUM DAILY AVG MGD	21.7	28.4	22.3	58	
BOD INFLUENT AVG MG/L	287	226	222		
BOD INFLUENT AVG LBS/D	35,186	37,508		41,233	85%
BOD PRIMARY EFFLUENT LBS/D	19,493	20,912		21,797	89%
BOD EFFLUENT AVG MG/L	2	3	4	20	
BOD REMOVAL %	99.3	98.7	98.1	85	
TSS INFLUENT AVG MG/L	352	273	296		
TSS INFLUENT AVG LBS/D	43,154	45,309		61,849	70%
TSS PRIMARY EFFLUENT LBS/D	15,325	18,588		24,219	63%
TSS EFFLUENT AVG MG/L	5	6	8	20	
TSS REMOVAL %	98.6	97.8	96.9	85%	
TOTAL N INFLUENT AVG MG/L	41.4	34.7	33.1		
TOTAL N INFLUENT AVG LBS/D	5,076	5,759	4,539		
TOTAL N EFFLUENT AVG MG/L	1.71	1.63	2.90		
TOTAL N EFFLUENT AVG LBS/D	211	271	436	926 LBS/D	
N REMOVAL %	96.6	95.3	90.3		
TOTAL P INFLUENT AVG MG/L	5.78	4.66	4.61		
TOTAL P EFFLUENT AVG MG/L	1.14	0.85	0.81		
P REMOVAL %	80.3	81.8	82.9		
UV EXCEEDANCES <30 mJ/cm2	0	0			

### Plant Equipment Update

RAS Pump #2

Repaired pump assembly at Metal Industries and waiting to reinstall after bridge crane in Operations Building is repaired by Kone Cranes.

BFP No. 2

Need to replace two (2) broken rollers. Waiting for bridge crane in Solids Processing Building to be repaired by Kone Cranes.



**UPDATE OF CAPITAL PROJECTS  
TECHNICAL COMMITTEE MEETING**

**June 12, 2024**

**ENGINEERING STUDIES AND DESIGNS:**

- 1. Sludge Management Plan/Fermentation Study**  
Hazen is waiting for both primary clarifiers to be put back in operation to continue working on the fermentation study.
- 2. Plant Water, Return Activated Sludge (RAS) and Waste Activated Sludge (WAS)**  
Gannett Fleming is working on the preliminary and final design of this project. Documents should be complete by the end of summer.
- 3. RFQ for Evaluation of the Alvord Lane, Commerce Rd, and Saddle Rock Pump Stations**  
Tighe & Bond has begun work on the design of Saddle Rock PS.
- 4. RFP for the Design and Supply of a Standby Generator at Clay Hill Pump Station and West Avenue Pump Station**  
Technical specifications are being finalized. Once complete an advertising date will be requested.
- 5. Structural Evaluation of the Columns in the Sludge Dewatering Building**  
Preparing bid documents for the repair.
- 6. Bid for Design Build Standby Generator for the Greenwich Ave. Pump Station**  
Preparing the bid documents for a standby generator for Greenwich Ave Pump Station. We were waiting for the prevailing wage rates from the state. This should be advertised soon.
- 7. RFQ for the Operation and Maintenance of Stamford WPCF Sludge Drying Facility and Transportation and Beneficial Use or Disposal of Biosolids**  
We are in discussions with Synagro for a new contract.

**CONSTRUCTION PROJECTS:**

- 1. Perna Lane, Phase I Collection Sewers**  
Grasso Construction began construction the first week in June. They are on High Ridge Road and Perna Lane saw-cutting the pavement for trench excavation. Wooden stakes have been delivered to some of the homeowners with instructions to place the stake at the location where they want the lateral stub to be left.
- 2. Electrical Preventive Maintenance / Arc Flash**  
Siemens has finished the verification of the data collected previously. They will now continue with the Arc Flash study.
- 3. Infiltration/Inflow Sewer Rehab**  
The contractor continues with lateral grouting in the areas of:
  - Ocean Drive W. and Saddle Rock Road.
  - Carter Drive and Tupper Drive.
  - Bell Street and Atlantic Street.
- 4. Modular Office Trailers for Collection System Staff**  
Our contractor has installed the water line and sewer lateral to the trailers. The roofing contractor for Building 6A was issued a Purchase Order and should be starting soon.



**5. Painting of Final Clarifiers # 1, 2 and 4**

Our painting Contractor, MacKenzie has mobilized on site. They continue to sandblast and prime the first of three clarifiers.

**6. Repair of Storm Water Pumps #1 and 3 at Cummings Pump Station**

New England Pump and Valve have removed Pump #3 from the pump station to take to their shop for repairs. Once completed, they will install and repair Pump #1.

**7. Sludge Degritting System Upgrade**

CH Nickerson is working on the following:

- Continue degritting building 2<sup>nd</sup> floor demo.
- Pour and form Sludge pump #2 concrete pad and set sludge pumps #2 and associates piping.
- Demo existing scum pump and install new scum pump and piping.
- Delivery of PC #1 equipment.
- Remove 2<sup>nd</sup> floor windows in degritting building and build temp window enclosure.

**8. Repair/Replacement of approximately 175 LF of 12” Sewer on Edice Rd**

Vitti began work on Edice Road. They have excavated the pipe and are replacing it in sections.

**9. Final Settling Tank No. 3 Upgrade**

Tucker Mechanical was issued a conditional award letter.

Once bonds and insurance are in place, we will schedule a pre-construction meeting to begin work.

**PAYMENT/CHANGE ORDER LOG AS OF 2/20/2024**

Sludge Degritting System Upgrade (Contractor – CH Nickerson)

Original Value of the Contract = \$ 9,165,000.00  
Total Approved CO Amount = \$ 0  
Contract Sum to Date = \$ 9,165,000.00

Perna Lane Sewer Extension (Contractor – Grasso)

Original Value of the Contract = \$ 8,263,194.41  
Total Approved CO Amount = \$ 0  
Contract Sum to Date = \$ 8,263,194.41

Painting of Clarifiers #1,2, and 4 (Contractor – McKenzie)

Original Value of the Contract = \$ 239,355.00  
Total Approved CO Amount = \$ 0  
Contract Sum to Date = \$ 239,355.00

Edice Road Sewer Repair (Contractor – A. Vitti)

Original Value of the Contract = \$ 71,500.00  
Total Approved CO Amount = \$ 0  
Contract Sum to Date = \$ 71,500.00

Final Settling Tank No. 3 Upgrade (Contractor – Tucker Mechanical)

Original Value of the Contract = \$ 1,031,301.00  
Total Approved CO Amount = \$ 0  
Contract Sum to Date = \$ 1,031,301.00