



## TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, May 15, 2024

4:30PM

Via VIDEO/TELECONFERENCE

### Attendees:

Ed Kelly	Acting Chairman, Technical Committee
Steve Bagwin	Committee Member
Bill Brink, P.E.	Executive Director, WPCA
Ann Brown, P.E.	Supervising Engineer, WPCA
Steve Pietrzyk	Collection System Supervisor, WPCA

1. Call to Order and Roll Call – E. Kelly called the meeting to order at 4:32 PM and announced the attendees as listed above.
2. Approval of April 10, 2024 Meeting Minutes - E. Kelly made a motion to approve the minutes of the April 10, 2024 Technical Committee Meeting. The motion was seconded by S. Bagwin. Motion carried 2-0-0.
3. Public Comments – None.
4. Discussion of April 23, 2024 letter from Synagro – W. Brink advised the Committee that WPCA received a letter from Synagro regarding USEPA's recent ruling designating two (2) PFAS chemicals (PFOA and PFOS) as hazardous substances and how that may affect our contract. Synagro indicates that designating these substances as hazardous may require substantial changes to their services with increased costs and are entitled to relief under our contract. W. Brink explained that our contract with Synagro has similar language already in it. Synagro sent this letter to all their clients making them aware of the language. W. Brink sent Synagro the PFAS test results for SWPCA sludge as requested by their letter. He stated that every town will be in the same situation, as these PFAS chemicals are widely present in wastewater and in most municipal sewage sludge and no one knows where this is really heading. He notified the City's legal department about this. WPCA is meeting with Synagro to discuss the new contract. This will be on the agenda for discussion.
5. Discussion on Barry Place Pump Station – A. Brown gave a history of the Barry Place Pump Station. She explained that the pump station dates to 1940 when an easement map was filed in the City Clerk's office. Since that time WPCA had an agreement with the building owners that power would be supplied from their building. WPCA is invoiced for an agreed amount each month. The current owner has decided to demolish the building and develop the site as residential housing units. They have applied for a demolition permit and need WPCA to supply power to their pump station so the building can be taken down. WPCA advised the City's legal department who indicated that since a written agreement could not be found, the building owner may shut down the power to the building and therefore the pump station. WPCA met with the building construction manager and agreed to a shut down for approximately 3 weeks giving the owner time to remove equipment after which the power would be restored. WPCA has approved plans for installing underground electrical conduit to service the pump station. Soil borings are being done next week to determine the extent of ledge in the path of the conduit. This may help reduce cost of the project. WPCA will arrange a meeting with the adjoining property owners to discuss sharing in the cost of a portion of the conduit that they will be able to use.
6. Discussion and Approval of Bid Waiver for Konecranes to replace hoist at Dyke Lane Pump Station in an amount not to exceed \$62,465.11 – A. Brown explained that WPCA is having an electric hoist installed at Dyke Lane Pump Station. WPCA received three quotes and selected the manufacturer of the original system to replace the hoist. The cost is not to exceed \$62,465.11. Merritt Nesin did not attend the meeting but sent an email indicating he was in favor of approving this item. The Technical Committee agreed to recommend approval of a bid waiver for Konecranes to the Full Board.
7. Discussion on Collection System – S. Pietrzyk presented the Monthly Pump Station and Collection Activities, which is attached and made part of these minutes.
8. 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. Bill explained that flows are still running above average, however, the plant is performing very well. The Committee asked what the flow threshold is for having to

consider a plant upgrade. Bill stated it is when the flows reach 90% of the rated capacity of the plant based on an annual average, not monthly.

9. 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.
10. 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 will start installation of sewers on Perna Lane the week of June 3<sup>rd</sup>. Ann also informed the Committee that the Contractor for Edice Road Sewer Repair will begin on June 3<sup>rd</sup>.
11. Old Business – None.
12. New Business – None.

There being no further issues to discuss, S. Bagwin made a motion to adjourn the meeting, seconded by E. Kelly; motion carried 2-0-0. The meeting adjourned at 5:23pm.

## Monthly Activities (04/09/24 to 05/13/24)

### 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 (110)
2. Pump station call-out activities (19)
3. Manhole Inspections (342)
4. Gravity line service calls investigated (13)
5. Private lateral investigations and repairs in City ROW (4)
6. Sewer line repair (0)
7. Manhole repair(s) (7)
8. CCTV sanitary sewer lines (0 LF)
9. Sewer line cleaning (5.4 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 and electrician worked with Flowtech to determine the issues regarding the VFD for pump #3 at Cove Island pump station.
5. WPCA mechanics are providing and monitoring auxiliary power supply to Barry PL. pump station until new permanent power can be installed.
6. WPCA electrician has connected wiring harnesses to the two (2) recently purchased portable generators and are now available for use.

#### Collection System:

1. Crew jetted lines on Edice RD.; Corn Cake LN., Red bird RD., Robinson DR., Mercedes LN., Hazelwood LN., Crestwood DR., Dannell DR., Kensington RD., Pepperidge PL., Sanford LN., Harvest Hill LN., Forest ST., Mill River ST., Main ST., Liberty ST., Myano LN., Market ST., Pacific ST., Houston Ter., and Waterbury 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 (14)
2. Re-review of building permit applications (50)
3. Sanitary sewer tie-in plan reviews (4)
4. Zoning permit application reviews (0)
5. Initial Food Service Establishment (FSEs) Inspections (6)
6. FSE Follow-up Inspections (37)
7. Notice of violations (NOVs) Issued (11)
8. CTDEEP General Permit plan reviews or applications (6)

**Work performed by outside contractors:**

1. Vitti Construction repaired one (1) manhole at 34 Coachlamp LN.
2. Cavalier Construction repaired six (6) manholes at 1156, 1204, 1321, and 1352 Hope ST., and 20 & 39 Pepperidge PL.
3. Vitti Construction repaired four (4) laterals in the City ROW at 245 Bedford ST., 55 Houston Terrace, 44 Victory ST., and 46 Houston Terrace.
4. Onevac CCTV and located damaged private lateral in City ROW for 245 Bedford ST. and 44 Victory ST.



## May 2024 TECHNICAL COMMITTEE REPORT

Monthly Operating Report data:	April Results		Historical (Apr) Monthly AVG	Permit or Design Limit	Percent of Design Capacity (Apr)
	This month (Apr)	Last month (Mar)			
Q (FLOW) DAILY AVG MGD	19.9	24.0	18.1	24	83%
Q MAXIMUM DAILY AVG MGD	28.4	34.1	26.5	58	
BOD INFLUENT AVG MG/L	226	172	199		
BOD INFLUENT AVG LBS/D	37,508	34,428		41,233	91%
BOD PRIMARY EFFLUENT LBS/D	20,912	23,219		21,797	96%
BOD EFFLUENT AVG MG/L	3	4	4	20	
BOD REMOVAL %	98.7	97.7	97.9	85	
TSS INFLUENT AVG MG/L	273	214	272		
TSS INFLUENT AVG LBS/D	45,309	42,834		61,849	73%
TSS PRIMARY EFFLUENT LBS/D	18,588	20,616		24,219	77%
TSS EFFLUENT AVG MG/L	6	9	8	20	
TSS REMOVAL %	97.8	95.8	96.7	85%	
TOTAL N INFLUENT AVG MG/L	34.7	27.4	30.6		
TOTAL N INFLUENT AVG LBS/D	5,759	5,484	4,455		
TOTAL N EFFLUENT AVG MG/L	1.63	2.26	3.10		
TOTAL N EFFLUENT AVG LBS/D	271	452	494	926 LBS/D	
N REMOVAL %	95.3	91.8	88.7		
TOTAL P INFLUENT AVG MG/L	4.66	3.63	4.06		
TOTAL P EFFLUENT AVG MG/L	0.85	0.77	0.56		
P REMOVAL %	81.8	78.8	86.1		
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 is repaired by Kone Cranes (waiting for parts).

BFP No. 2

Need to replace a broken roller. Waiting for bridge crane to be repaired by Kone Cranes (waiting for parts)

Primary Building RTU

New burner installed by Siemens.

BFP PLCs

Knapp to provide and program replacement and spare

Main Generator

Diesel Fuel filtration system needed



**UPDATE OF CAPITAL PROJECTS  
TECHNICAL COMMITTEE MEETING  
April 8, 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.
- 3. RFQ for Evaluation of the Alvord Lane, Commerce Rd, and Saddle Rock Pump Stations**  
Tighe & Bond began 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 within the next two weeks.
- 7. RFQ for the Operation and Maintenance of Stamford WPCF Sludge Drying Facility and Transportation and Beneficial Use or Disposal of Biosolids**  
The Selection Committee reviewed the proposal and are providing a scoring evaluation to Purchasing. Purchasing will notify the firm that they have been selected. We will begin discussions with the firm about the new contract.

**CONSTRUCTION PROJECTS:**

- 1. Perna Lane, Phase I Collection Sewers**  
Grasso Construction began survey layout on Perna Lane. They intend to begin installation of sewers in the first week of June. They will deliver wooden stakes to each homeowner. The homeowner will be instructed to place the stake at the curb in 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.

**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:

- Set sludge pumps #1 and #3 in basement.
- Excavate road and grass for new duct bank.
- Connect 6" scum pipe to scum well / test back to building #8.
- Backfill pits #2 & #3 remove upper waler.
- Saw cut degritting 1st floor slab / asphalt roadway for electrical duct bank.
- ELM- continue install of conduits in VFD and MCC rooms (building #8), install conduit for new sludge pumps in basement.
- Begin degritting building 2<sup>nd</sup> floor demo.

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

Vitti was awarded the bid. A kickoff meeting was held on 1/16. Contracts have been executed and Vitti will be starting work soon.

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

Three bids were received. The lowest bidder is Tucker Mechanical in the amount of \$1,031,301.00.

Purchasing will notify the bidder and send the award letter. They will need to submit bonds and insurance.

**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