



TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, February 21, 2024

4:30PM

Via VIDEO/TELECONFERENCE

Attendees:

Ed Kelly	Acting Chairman, Technical Committee
Merritt Nesin	Committee Member
Steve Bagwin	Committee Member
Bill Brink, P.E.	Executive Director, WPCA
Ann Brown, P.E.	Supervising Engineer, WPCA
Steve Pietrzyk	Collection System Supervisor, WPCA
Robert Pudelka	Plant Supervisor, WPCA
Brian Teitelbaum	Public
Nick Tamburro	Public

1. Call to Order and Roll Call – E. Kelly called the meeting to order at 4:30PM and announced the attendees as listed above.
2. Approval of January 17, 2024 Meeting Minutes - E. Kelly made a motion to approve the minutes of the January 17, 2024 Technical Committee Meeting. The motion was seconded by S. Bagwin. Motion carried 3-0-0.
3. Public Comments – None.
4. Discussion on Collection System – S. Pietrzyk presented the Monthly Pump Station and Collection Activities, which is attached and made part of these minutes. Steve reviewed issues with Hobson pump station. A control transformer was damaged and the motor on pump #2 burned up. The WPCA collection system mechanics worked to replace pump #2 and with GA Fleet to replace the control transformer and put the station back into operation.
5. Discussion on Plant Operations – R. Pudelka presented the Monthly Operating Report and Equipment Update with the Committee, which is attached and made part of these minutes. Rob advised the Committee that the plant experienced high flows from the wet weather in January. Rob also pointed out that he added the percent of design capacity column to the report. He explained that per our permit, if the plant is at 90% permit capacity for 6 months, WPCA is to present a plan for a plant upgrade to CTDEEP.
6. 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.
7. 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 provided an update for the Perna Lane project advising the committee that bids are due the following day, 2/22/24.
8. Old Business – None.
9. 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 5:02pm.

Monthly Activities (01/16/24 to 02/19/24)

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 (111)
2. Pump station call-out activities (9)
3. Manhole Inspections (334)
4. Gravity line service calls investigated (7)
5. Private lateral investigations and repairs in City ROW (2)
6. Sewer line repair (0)
7. Manhole repair(s) (18)
8. CCTV sanitary sewer lines (0 LF)
9. Sewer line cleaning (2.94 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 worked with GA Fleet at Hobson pump station and determined a control transformer was damaged and the motor on pump #2 had burned up. They replaced the control transformer and worked with the WPCA mechanics in replacing pump #2 to put the station back to normal operation.
5. WPCA electrician worked with Flowtech to install the new drive for VFD pump #3 at Cove Island.

Collection System:

1. Crew jetted lines on Edice RD.; Bradley PL., Pepper Ridge RD., Van Buskirk Ave., East Ave., East Main ST., Lockwood Ave., Elm Tree PL., Berrian RD., and Atlantic ST.

Miscellaneous:

1. As part of the GIS upgrade project, CDMSmith has provided WPCA access to CCTV, reports, and/or image files via WPCA's CMMS.
2. Provided sanitary sewer plan sheet information to various civil engineers and/or contractors working on City development projects.

Overview of Regulatory Compliance:

1. Initial building permit reviews (15)
2. Re-review of building permit applications (64)
3. Sanitary sewer tie-in plan reviews (1)
4. Zoning permit application reviews (5)
5. Initial Food Service Establishment (FSEs) Inspections (13)
6. FSE Follow-up Inspections (7)
7. Notice of violations (NOVs) Issued (2)
8. CTDEEP General Permit plan reviews or applications (5)

Work performed by outside contractors:

1. Vitti Construction repaired fourteen (14) manhole frames and covers at 218 Bedford ST., 28 Yale CT., 20 Mercedes LN., 5 River Ridge CT., 9 Stillview RD., intersection of Knollwood Ave. and 132 Ridge Park Ave., intersection of Van Buskirk Ave. and Caldwell Ave. and 1, 57, 93, and 108 Clover Hill DR., 51 Amherst PL., 59 Old Barn South RD., and 63 Eastover RD.
2. Vitti Construction repaired two (2) laterals in the City ROW at 9 Stillview RD. and 71 Lindale ST.
3. Cavalier Industries repaired four (4) manhole frames and covers at the intersection of Meadow Park Ave. North and Nichols Ave., 21 Nichols Ave., 50 Nichols Ave., and 80 Nichols Ave.
4. GA Fleet completed as-built electrical drawings for Hobson pump station; assisted WPCA electrician with replacing the damaged control transformer.
5. Cook vacuumed grease from Alvord Lane pump station's wet well.
6. Onevac provided vacuuming and hauling of wastewater at Hobson pump station until station returned to normal operation.



FEBRUARY 2024 TECHNICAL COMMITTEE REPORT

Monthly Operating Report data:	January Results		Historical (Jan) Monthly AVG	Permit or Design Limit	Percent of Design Capacity (Jan)
	This month (Jan)	Last month (Dec)			
Q (FLOW) DAILY AVG MGD	21.9	19.9	17.3	24	91%
Q MAXIMUM DAILY AVG MGD	35.1	29.1	21.7	58	
BOD INFLUENT AVG MG/L	174	207	204		
BOD INFLUENT AVG LBS/D	31,780	34,355		41,233	77%
BOD PRIMARY EFFLUENT LBS/D	21,370	32,529		21,797	98%
BOD EFFLUENT AVG MG/L	4	5	5	20	
BOD REMOVAL %	97.5	97.3	97.3	85	
TSS INFLUENT AVG MG/L	196	267	264		
TSS INFLUENT AVG LBS/D	35,799	41,958		61,849	58%
TSS PRIMARY EFFLUENT LBS/D	21,187	350,189		24,219	87%
TSS EFFLUENT AVG MG/L	9	11	11	20	
TSS REMOVAL %	94.6	95.2	94.7	85%	
TOTAL N INFLUENT AVG MG/L	27.3	28.9	31.7		
TOTAL N INFLUENT AVG LBS/D	4,986	4,542	4,484		
TOTAL N EFFLUENT AVG MG/L	1.81	1.96	3.64		
TOTAL N EFFLUENT AVG LBS/D	335	337	547	926 LBS/D	
N REMOVAL %	93.3	93.2	87.4		
TOTAL P INFLUENT AVG MG/L	3.55	3.81	4.43		
TOTAL P EFFLUENT AVG MG/L	0.70	0.57	0.68		
P REMOVAL %	80.3	85	84.5		
UV EXCEEDANCES <30 mJ/cm2	0	0			

Plant Equipment Update

RAS Pump #3	Repair of pump assembly at Metal Industires
Primary Building RTU	New burner ordered - back ordered
BFP PLCs	Knapp to provide and program replacement and spare
Main Generator	Diesel Fuel filtration system needed
Wilo Mixer	Returned from REM with rebuilt motor
Primary Sludge Transfer Line	Cavaliere installed two manholes for pipe jetting
Admin. Hot Water Heater	Replaced heater



**UPDATE OF CAPITAL PROJECTS
TECHNICAL COMMITTEE MEETING
February 20, 2024**

ENGINEERING STUDIES AND DESIGNS:

1. Final Settling Tank No. 3 Upgrade

Design plans and specifications are being finalized for bidding the replacement of equipment in Final Clarifier No.3. The advertisement date is scheduled for 3/28/24.

2. Sludge Management Plan

Hazen has begun working on the fermentation study. They are waiting for both primary clarifiers to be put back in operation to continue. This should be some time in April.

3. Plant Water, Return Activated Sludge (RAS) and Waste Activated Sludge (WAS)

Gannett Fleming is working on the preliminary and final design of this project. We have had meetings to review pump and piping layouts.

4. RFQ for Evaluation of the Alvord Lane, Commerce Rd, and Saddle Rock Pump Stations

Basis of Design Report for the pump station upgrades was completed. The Saddle Rock Road pump station is in the worst shape so the design and construction of that station will be the priority. The design of Alvord Lane and Commerce Rd will be done together and follow Saddle Roack Rd. We have asked Tighe & Bond for a proposal to continue with the design.

5. 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 and will be reviewed by the collection system electrician. Bid documents should be completed by the end of this month.

6. Structural Evaluation of the Columns in the Sludge Dewatering Building

Preparing bid documents for the repair.

7. Bid for Design Build Standby Generator for the Greenwich Ave. Pump Station

Preparing the bid documents to purchase and install a generator for Greenwich Ave Pump Station. The controls will be provided by the WPCA.

8. RFQ for the Operation and Maintenance of Stamford WPCF Sludge Drying Facility and Transportation and Beneficial Use or Disposal of Biosolids

A Request for Proposals was sent to qualified firms. We have received inquiries and are preparing an Addendum. Proposals are due back on March 28, 2024.

CONSTRUCTION PROJECTS:

1. Perna Lane, Phase I Collection Sewers



The project is advertised for bids. The project schedule is as follows:

- Advertised for bids on 1/11.
- Pre-bid meeting 1/23.
- Deadline for submission of inquiries 2/12.
- Bid opening 2/22.

2. Electrical Preventive Maintenance / Arc Flash

We authorized Siemens to proceed with the Arc Flash study. They are scheduled to begin February 26th.

3. Infiltration/Inflow Sewer Rehab

The contractor has completed the pipe lining. He will move to the manhole repairs next in the spring.

4. Modular Office Trailers for Collection System Staff

The trailers are in place. The power and cable for phone and internet is installed. The collection system staff has moved into the trailers. We are negotiating a cost with our contractor for the installation of a water line and sewer lateral to the trailers.

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

A kickoff meeting was held. Work will begin May 2024.

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

Awarded to New England Pump and Valve. They have been out to the site to assess removal of the pumps. They will begin repairing one pump at a time.

7. Sludge Degritting System Upgrade

CH Nickerson is working on the following:

- Install primary sludge piping in Primary Pump Station.
- Backfilling the jacking pit for Clarifier #1.
- Excavating the jacking pit for Clarifier #2.
- Baffles and weir in Clarifier #2.
- Set up and drill 24" sleeve for Clarifier #2
- Install 10" DIP for Clarifier #2

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. Vitti will be starting work after the winter season, so that there are fewer work stoppages due to periodic inclement weather.

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