



## TECHNICAL COMMITTEE MEETING MINUTES

Wednesday Nov 8, 2017

2<sup>nd</sup> Floor Conference Room

Building 11, 111 Harbor View Avenue

Stamford CT 06902

5:10 p.m.

Daniel Capano	Chairman, Technical Committee
Edward Kelly	Committee Member
Merritt Nesin	Committee Member
William Brink	Executive Director, WPCA
William Degnan	Plant Supervisor, WPCA
Robert Pudelka	Assistant Plant Supervisor, WPCA
Prakash Chakravarti	Supervising Engineer, WPCA
Benjamin Levin	Hazen & Sawyer
Mathew Hross	Hazen & Sawyer (In conference via phone)
Melanie Mann	Hazen & Sawyer (In conference via phone)

1. **Call to Order and Roll Call.**

D. Capano called the meeting to order at 5:10 pm.

2. **Approval of Oct 11, 2017 Technical Committee Meeting Minutes.**

M Nesin made the motion to approve the Oct 11, 2017 Technical Committee meeting minutes; it was seconded by D Capano. Motion carried 2-0-1, E Kelly abstained.

3. **Discussion: Observations from visit to the Albany, NY South WWTF to view the WEDECO Duron Ultra-Violet System.**

W. Brink, P. Chakravarti, B. Degnan, R. Pudelka and Board Member M. Nessin toured the Albany Co. WWTF on November 1, 2017 to see the Wedeco Duron UV system. The Duron UV system was installed in 2014 and is sized for 45 mgd. It provides seasonal disinfection of the Albany treatment plant effluent. The operator at the Albany plant likes the Duron UV equipment. He has had few problems with the equipment, and spoke favorably about the service and technical support provided by Wedeco. The general consensus of the staff and Board member M Nesin was that they liked the Duron equipment for the UV system upgrade. The Technical Committee and the staff further discussed the pros and cons of the Wedeco Duron equipment compared to the Trojan 3000 plus equipment, and service, (The WPCA staff had previously made a visit to the Greenwich, CT, wastewater treatment plant to see their Trojan 3000 plus system) and it was decided that both should be considered for the UV system upgrade, with selection through a formal RFP, and evaluated bid process. D Capano

asked B Levin to prepare a comprehensive comparison of the two systems for the committee to review. B Lavin agreed.

4. **Discussion and vote: Five-year Capital Improvement Plan and FY 2018-2019 Capital Projects' Budget Request.**

W Brink presented the Technical Committee with a spreadsheet (Spreadsheet being made part of the meeting minutes) showing his projected five year capital improvement plan. He gave a brief description of each of the projects listed.

W Brink also presented the Committee with the capital budget request for FY 2018-2019. He indicated that there were six requests. The designs for these six projects are projected to be completed in mid-2018 and could be advertised for construction services. M Nesin asked if Perna Lane sewer project was on schedule for 2018. P Chakravarti said the project will be on this month's (Nov-2018) agenda for EPB approval, following that we have to do some investigation of the storm system in the area as requested by City's Engineering Bureau and then it could be advertised for construction. Ed Kelly made the motion that the committee would recommend approval of the capital requests to the SWPCA Board of Directors; motion seconded by M Nesin; motion carried 3-0-0

5. **Discussion and vote: Supplemental \$1.6 million capital request for CP-6904; WPCA Major Replacements.**

W Brink stated that the capital funding authorization for CP 6904 – WPCA Major Replacements has been expended due to unforeseen emergencies, hence necessitated the supplemental request that is to be approved now. He said that the project was not included in the 2018-2019 capital budget requests. Ed Kelly made the motion that the committee would recommend approval of the capital request of \$1.6 million to the SWPCA Board of Directors; motion seconded by M Nesin; motion carried 3-0-0

6. **Update on engineering studies and designs,**

P. Chakravarti presented the following updates:

a. **Wedgemere Road Area Sewers.**

EPB application has been filed.

b. **Perna Lane Area Sewers.**

The project is with Stamford EPB for approval at it November 2017 meeting.

c. **Infiltration & Inflow study.**

CDM Smith is conducting sanitary sewer evaluation survey for the second sub area identified in the I&I study. The contract for lining the sewers has been awarded to Kenyon Pipeline Inspections.

d. **Headworks and Secondary Treatment Improvements**

Wright-Pierce has submitted their preliminary design reports for the Headworks and Secondary treatment improvements. Engineers are working on detailed designs.

e. **UV Disinfection System Upgrade**

See item 3 above.

7. **Update on construction projects, -- P. Chakravarti**

a. **Replacement of primary sludge force mains.**

Contractor, NAC Industries has completed the installation of the sludge force mains. Awaiting final closeout costs.

**b. Dyke Lane pumping station upgrade.**

Contractor, Holzner Electric informed us that the 2000 KVA standby generator will be delivered to the site next week. Contractor is installing the concrete pad for the transformer (supplied by Eversource) and the associated ducts. There has been some delays coordinating with the power supply company staff who have been temporarily assigned to weather related emergencies elsewhere.

**c. Arc Flash –Electrical preventive maintenance.**

Met with the contractor Reuter Hanney and staff electrician to discuss their means and methods for shut down of electrical motor control centers to conduct the arc flash analysis. The contractor will be returning to walk the site to go over the details of individual switch gears with the staff electrician.

**d. Flow distribution to the secondary clarifiers and effluent pumps.**

The contractor CH Nickerson, has completed the mixed liquor distribution box and secondary clarifier #2 is on line. They have finished all of the work for lowering the discharge pipes at the effluent pumps. Working on connecting secondary clarifier #1, installing the shutoff valves for the return activated sludge suction pipes.

**e. Upgrade of the SCADA system.**

R Pudelka presented the Committee with the status report of the outstanding items for completion. He indicated that not much has been accomplished since last month. D Capano said that he had been in contact with ARCADIS and that the engineers had successfully tested the remote connectivity very briefly. R Pudelka said they have been on site assisting with programming the VFDs for the effluent pumps. He felt that the staff may be spread thin.

**8. Discussion and vote: Agreement with Gannett Fleming for Engineering Design of the Sludge Degritting System for a cost not to exceed \$377,009 and technical services for bidding, construction and post-construction phases of the project at the Stamford Water Pollution Control Facility.**

D Capano recused himself because Gannett Fleming is his current employer. He left the meeting at 6:30 pm.

W. Brink said that the Committee had reviewed Gannett Fleming's recommendations for improvements to the de-gritting system and he would like to proceed with the design services by Gannett Fleming for the upgrade. M Nesin said that improvements are needed and made a motion to approve the Agreement with Gannett Fleming for Engineering Design of the Sludge de-gritting system for \$377,009, the motion was seconded by Ed Kelly; motion carried 2-0-0

**9. Old Business:**

There was no old business to discuss.

**10. New Business:**

There was no new business to discuss.

M Nesin made motion to adjourn meeting, second by Ed Kelly motion carried 2-0-0. Meeting adjourned at 6:37 pm.