



## **TECHNICAL COMMITTEE MEETING MINUTES**

**Wednesday July 13, 2016**

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

**Building 11, 111 Harbor View Avenue**

**Stamford CT 06902**

**4:30 pm**

Daniel Capano	Chairman, Technical Committee
Edward Kelly	Committee Member
Merritt Nesin	Committee Member (Absent)
William Brink	Executive Director, WPCA
William Degnan	Plant Supervisor, WPCA
Prakash Chakravarti	Supervising Engineer, WPCA
Peter Scorziello	Plant Manager, Synagro Inc.
Mr. Charles Denner	Public Participation
Mrs. Regina Denner	Public Participation

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

D Capano called the meeting to order at 4:32 pm.

### **2. Approval of May 11, 2016 Technical Committee Meeting Minutes.**

E Kelly made the motion to approve the minutes of the meeting for May 11, 2016. Seconded by D Capano. The motion carried 2-0-0

### **3. Discussion proposed projects to be paid from sludge dryer contract capital reserve.**

P. Scorziello, Plant Manager, Synagro Inc. said that he and Mr. W Brink had met to discuss the proposed capital improvements at the sludge dryer. He stated that some of the items fall under the \$20,000 threshold for equipment replacements and will not be funded from the reserve for capital improvements.

P Scorziello indicated that the Intellisys system to monitor pneumatic cylinders at the RTOs would be installed for predictive maintenance as a capital improvement. He is considering NEFF Automation for service and problem diagnostics. He also is in dialogue with Ed Kowalski at Arcadis for the upgrade of the Rockwell Programmable Logic Controllers and remote access to monitor the regenerative thermal oxidizers. He added that he will replace the dryer drum bearings as needed as a maintenance expense. He also is looking at installing a wet bulb temperature sensor as a capital improvement. Currently the dryer outlet air temperature is indirectly manually monitored, which is not an efficient control for pelletizing.

- 4.** E Kelly made the motion to address Item 7c on the agenda out of order since Mr. Charles Denner and Mrs. Regina Denner were present to discuss their concerns of granting a sewer easement at 223 Eden Road, for the Wedgemere Road area sewer project. P Chakravarti explained that he has not been able to

make much progress in getting the owners at 273 & 293 Eden Road to grant the easement through their properties so he approached Mr. & Mrs. Denner at 223 Eden Road and their neighbor Mr. & Mrs. Lomoriello at 219 Eden Road. Mr. Denner said that he and his neighbor were considering granting the sewer easements but were concerned of the generality of the language in the agreement document. They would like to have an attorney draft the details of the agreement, to which P Chakravarti said that he would re-word the agreement with the city standard details for driveway re-construction. W Brink added that the WPCA will also be doing a survey via mailing to the property owners at Wedgemere Road and Eden Road section that will be affected. The survey will be to assess if the owners explicitly have a need for the sewers.

**5. Replacement of submersible pumps in the pumping stations.**

W Brink explained to the committee the need for replacing the submersible pumps with the Flygt pumps, which would be an in-kind replacement. He further indicated that other brand pumps are available that may be cheaper but would need station modifications to accommodate the pump at a cost and additional spare parts would have to be kept on hand for repairs. For comparison purposes he presented the committee with the price quotes from Carlson Systems for an ABS pump. S Pietrzyk further explained the need for standardizing Flygt pumps and to have good service life.

D Capano asked about the status on upgrading the controls at the pump stations. He stated that he has discussed with Arcadis, on integrating the pump data into the SCADA system using an open platform system for easy serviceability. After a brief discussion it was decided to coordinate a meeting with Arcadis (Engineers for the SCADA upgrade) and Tighe & Bond (Engineers for the pump station upgrade project).

**6. Construction cost estimate for the Flow Distribution Project**

W. Brink said the increase in the cost estimate for the Flow Distribution Project from \$1.25M to \$4.1M was due to addition of lowering of the effluent pumps to increase the pump capacity to meet peak design flow, return sludge meters and valves, final clarifier #3 launder covers for preventing algae growth and the increase in bypass pumping during construction. He presented the committee with the cost estimate break down as follows:

Flow Distribution Box	\$1.25 M
Bypass Pumping	\$1.50 M
Lower Effluent Pump Discharge	\$0.93 M
Return Sludge Meters and Valves	\$0.31 M
Final Clarifier 3 Launder Covers	\$0.13 M
Total	\$4.12 M

**7. Update on UV system and odor control.**

W Brink said that the UV system has been working fine and there has not been any odor complaints reported. The technicians have been building a shed to enclose the sodium hydroxide totes.

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

P Chakravarti had the following updates:

**a. Dyke Lane pumping station upgrade.**

The project design has been completed and the will be advertised for bid on July 19, 2016 with the bid opening on Aug 23, 2016.

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

The plans are in review by the State DEEP's approval.

**c. Wedgemere Road Area Sewers.**

Cardinal Engineers have been authorized to proceed with design for the White Oak Lane section of the project. (See above item 4)

**d. Perna Lane.**

The request for the one easement at Blue Ridge Drive has been sent. There also is an issue with a strip of property at the cul-de-sac for Marva Lane that has no ownership. Law Department has been notified to provide advice.

**e. Motor Control Center (MCC) in the thickener building.**

Recommendation for award of contract to Industrial Drives & Controls Inc. for \$93,750 has been sent to Purchasing.

**f. Shed for sludge trailers.**

The RFP to design-build the shed is in review.

**9. Update on construction projects,**

**a. WPCA Brick Wall Repairs.**

Construction is almost ninety percent complete.

**b. SCADA System.**

All of the hardware and software have been procured. Arcadis is doing the programming. Arron Associates and Arcadis have been doing the as-is condition testing of the control panels.

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

Preventive Electrical Maintenance of the power panels at Dyke Lane Pump Station will not be bid since the electrical system will be replaced under the Dyke Lane upgrade project.

**d. Infiltration & Inflow study.**

Met with Conn. DEEP on June 18, 2016 and CDM Smith presented the study identifying the critical areas for further investigation.

**e. Repairs to No 4 Secondary Clarifier**

The squeegees for the scrapper are on order and will be replaced when they are delivered. The clarifier is on line.

**10. Old Business**

There was no old business was discussed.

**11. New Business**

There was no new business items to be included in the next month's agenda.

There being no other issues to discuss E Kelly made a motion to adjourn the meeting, seconded by D Capano motion carried 2-0-0. The meeting was adjourned at 5:50 pm.