

## TECHNICAL COMMITTEE MEETING MINUTES

Monday June 15, 2015

Operations Conference Room, 10<sup>nd</sup> Floor

Govt. Center, 888 Washington Boulevard

Stamford CT 06901

4:00 p.m.

Daniel Capano	Chairman, Technical Committee
Edward Kelly	Committee Member
Merritt Nesen	Committee Member
Gerald Bosak Jr.	Committee Member (Absent)
William Brink	Executive Director, WPCA
William Degnan	Plant Supervisor, WPCA
Prakash Chakravarti	Supervising Engineer, WPCA
Peter Scorziello	Synagro Inc.

### 1. Call to Order and Roll Call

D Capano called the meeting to order at 4:05 pm.

### 2. Approval of April 8, 2015 Technical Committee Meeting Minutes

M Nesen made the motion to approve the minutes of the meeting for May 12, 2015.

Seconded by D Capano; M Nesen asked if the carbon in the scrubber for the pelletizer/dryer had been replaced. P. Scorziello said it was inspected and the carbon is still good but the fan was not wired correctly. It is working now. M Nesen wanted to know if the trial for the UV transmittance monitor was completed. W Brink said the trial is continuing. M Nesen asked if the compressor in the UV controls was fixed. W Degnan said that it is being worked on. The motion carried 2-0-1; E Kelly abstained

### 3. Odor Control Update

W Brink stated that the recirculating pump for the primary clarifiers' odor control scrubber had been ordered and is due to come in soon. He also said that a recirculating pump for the scrubber at the dryer has to be ordered. The ORP sensors are not online due to turbulence in the pipe. The ORP is checked in the lab daily and the chemical feed pumps are adjusted manually to raise the ORP to between 600 and 800, but ORP has fallen to 180. Replacing the recirculating pump will reduce the turbulence. B Brink added that the scrubber for the pelletizer/dryer has to be cleaned of accumulated particulates. He also stated that odors on site are almost non-existent and that the carbon canisters have been effective, but have not eliminated the odors from the screening and grit and sludge trailers when stored outside.

D Capano asked if the manhole cap at the septage receiving had been fixed. W Brink said that it had been fixed.

D Capano indicated that he has not heard of any odor complains.

#### **4. Options for constructing a building to store sludge and screenings/grit truck trailers**

P Chakravarti presented the committee with a proposal for a steel building by Rocket Steel Buildings that is currently available for a discount that could house three sludge trailers. After adding in cost for a foundation, lighting, ventilation and odor control the cost could be in the range of \$250,000 to \$500,000. W Brink indicated that the building project should be engineered by an architect/engineering firm to be sure it meets all building codes. He also mentioned that other options such as adding to the existing sludge processing building should be explored. Following some discussion the committee decided to meet on site to better understand the location for the building.

#### **5. Update on engineering design/studies**

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

P Chakravarti said that a supplemental appropriation has been submitted to create a separate Dyke Lane Account for \$2.8 million as requested by Federal Economic Development Administration. It is for the critical upgrade to the Dyke Lane pump station. P Chakravarti requested the Committee approve the engineer's scope of work and fees to design the recommended Phase 1 improvements. M Nesin asked if any consideration was given to replacing the large 500 horse power pumps that rarely run with smaller pumps that could cycle periodically with the other pumps. After some discussion the committee decided to revisit the scope of work and fees at its July, 2015 meeting.

##### **b. Blower Replacement and Dissolved Oxygen Control.**

W Brink said that Wright-Pierce Engineers will be submitting their preliminary design by the second week in July, 2015. Jen Muir, Energy Audit consultant (Hired by Wright-Pierce) was on site to do a preliminary assessment of the aeration system.

##### **c. SCADA System upgrade.**

The SCADA system is in design. Arcadis has conducted a preliminary design review workshop and also submitted a draft of the RFP for hiring a SCADA hardware upgrade integrator for our review and comments.

##### **d. Infiltration and Inflow (I/I) Analyses**

There has been just a couple of significant rainfall events from which CDM Smith engineers could identify areas of significant I/I, mostly in the downtown area. W Brink showed the Committee the graphical plan of the metered sewer areas. Going forward the plan is to add twenty additional flowmeters in these critical drainage basins. Eight meters from other non-critical areas would be relocated.

##### **e. Wedgemere Road area sewers**

There has been no response from the property owners to grant the necessary easements

##### **f. Perna Lane area sewers.**

The project engineers Tighe & Bond have submitted a set of 95% complete plans and specifications for our review.

**6. Update on construction projects – P. Chakravarti**

**a. UV tank walkway replacement**

The contractor Specialty Construction Systems has removed the old walkway and installed the beams to support the aluminum grating.

**b. Sludge transfer pumps**

The contractor R.H. White has started installing the two pumps and are scheduled to go online this week.

**7. Old Business**

P Scorziello mentioned that mentioned that the bag house was inspected and it was in good shape. He also stated that he had commitments from his RTO rebuild contractor, but was waiting for a commitment from Andritz which was pending confirmation of the delivery of parts. stated that all the material deliveries for re-lining the RTOs and the the dryer drum should be on site on July 24, 2015 and July 27, 2015 respectively. The target date of September 2015 is looking good.He stated that the repairs were tentatively scheduled for July 17 and would last ten days. He also said he was confident he would be ready for stack testing in the fall. The dewatered sludge will have to be hauled away during the repairs, but only during the actual work week the dryer will be shut down.

**8. New Business**

There was no old business to discuss

There being no other issues to discuss M Negin made a motion to adjourn the meeting, seconded by E Kelly, motion carried 3-0-0. The meeting was adjourned at 5:00 pm.