

**TECHNICAL COMMITTEE MEETING**  
**Monday December 16, 2013**  
**10<sup>th</sup> Floor Operations Conference Room**  
**Government Center**  
**888 Washington Boulevard, Stamford, CT 06901**

**Attendees:**

Dan Capano	Chairman, Technical Committee
Daniel Schwartz	Committee Member
William Brink	Executive Director, WPCA
Prakash. Chakravarti	Supervising Engineer, WPCA
William Degnan	Plant Supervisor, WPCA
Cristina Andreana	Chair, Finance Committee
Rhudean Bull	Administration Manager
Mark Turndahl	Accountant

**1. Call to Order**

Chairman Dan Capano called the meeting to order at 6:23 pm.

**2. Review and approval of previous meeting minutes.**

D Schwartz made a motion to approve the meeting minutes for November 19, 2013 with one correction that Hadronex is misspelled as Handronex. Seconded by D Capano. The motion carried 2-0-0.

**3. Status of Odor Control**

B. Brink stated that the WPCA staff had a conference call with Wright-Pierce and the air-balance report for the Sludge Dewatering Building was discussed. Also discussed was the modification to the exhaust duct louvers below the gravity belt thickeners and the belt filter presses. The louvers get coated from the splashing of the filtrate. He said that Forman T Buzelle suggested moving the exhaust ducts to above the belts in the shape of hoods. Jeff Pinnette of Wright-Pierce concurred that it is normal practice to install hoods above the belts. J Pinnette also suggested installing curtains around the units to confine the odors which then could be exhausted through the hoods. B Brink indicated that the operators may object to installing curtains as they may impede in operation and cleaning of the units.

B Brink also mentioned that the discussion digressed to considering replacing the belt presses with alternative technology such as screw presses or centrifuges. B Degnan had asked the belt thickener and belt press manufacturer, Andritz, for a cost for reconditioning the units, and the proposal received was for \$727,900 for servicing all five units. B Degnan added that he had received a price quote for replacing the corroded ventilation dampers and louvers.

B Brink stated that Wright-Pierce has been directed to provide construction plans and specifications for replacement of the dampers, louvers and adding exhaust ductwork at the strain press and the sump pump room at the back of the loading dock. D Capano asked for time frame. B Brink said it would be ready in Jan 2014.

B Degnan added that mats to cover the filtrate wet well hatch openings have been ordered. He said that one of the lines on the odor control scrubber for the Raw Sewage Pump Station froze because it was not insulated. Insulation was installed and the scrubber is back in service

**4. Service Contract for Operation and Maintenance of Sludge Drying Facility**

B Brink distributed copies of the draft contract with Synagro – Connecticut LLC. He said that the original contract was edited by deleting all clauses related to design and construction. The contract states that sludge cake shall

be dewatered between 22% and 25% solids as stated in the Request for Proposal (RFP). He said that Synagro has offered a \$427,500 reduction in their annual service fee if the WPCA pays for natural gas usage for the sludge dryer, as it does currently. The WPCA currently pays around \$350,000 a year for gas to run the dryer. Synagro would set a cap on gas usage of 125 therms per dry ton, which is less than the current cap of 150 therms per dry ton. He spoke with Nancy Pipicelli who manages the electric and gas utility contracts for the City and she does not think gas prices will go up over the next few years. B Brink said he believes Synagro's offer is a good deal. He also mentioned that the contract includes a fee of \$1,686 to run the dryer for an additional third shift when deemed necessary. D Capano asked if that will be Synagro's call or WPCA's call and B Brink stated that it will be our [WPCA] call. He also mentioned that Synagro had a favorable rate at \$73.97 per wet ton for hauling and disposal of dewatered cake.

### **Capital Projects status updates**

P Chakravarti reported that the construction of the Carriage Drive sewer project is about 40% complete. Perna Lane and Wedgemere sewers are in design.

P Chakravarti also mentioned that Stantec Engineers have submitted a draft report for improvements to the Dyke Lane pump station. The 1750 KVA generator is being designed and there are some modifications that we have to do to comply with NFPA regulations such as permanently closing off the openings between the wet well and the pump motor and motor control center (MCC) room. The MCCs have to be upgraded and soft starts added to the pump motors.

P Chakravarti said that staff met with the engineers from Wright-Pierce to outline their design scope for Task 1 for evaluating and upgrading the raw sewage pump station and septage receiving and met with engineers from Hazen & Sawyer for Task 2 scope of services on redistribution of flows to the secondary clarifiers.

P Chakravarti stated that the Vac truck has been delivered and that a new screenings and grit carrier truck has to be procured. D Capano asked that he would like to re-visit the how the screenings and grit truck will be procured.

B Brink said in the coming months we would next evaluate the engineering proposals for SCADA and sludge dewatering.

### **5. New Technical Committee Business**

B Degnan mentioned that there was break in the sludge line to the sludge dewaterers due to wearing of the pipe over time.

D Capano asked about the venting of the mixed liquor pipes to the secondary clarifiers. B Degnan said the saddles have been ordered and should be in any day.

### **6. Adjournment**

There being no other new business to discuss D Capano asked for a motion to adjourn the Technical Committee. D Schwartz made the motion to do so. Motion carried 2-0-0. The meeting was adjourned at 7:06 pm.