

TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, January 14, 2015

2nd Floor Conference Room

Plant Site, 111 Harbor View Avenue

5:30 p.m.

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

1. Call to Order and Roll Call

D Capano called the meeting to order at 5:33 pm.

2. Approval of December 3, 2014 Technical Committee Meeting Minutes

E Kelly made the motion to approve the minutes of the meeting for Dec 3, 2014. Seconded by D Capano; the motion carried 2-0-0.

3. Review and approval of Tighe & Bond scope of services and fees for Arc Flash Analysis and Training Services.

W Brink said that eight firms submitted their response to the Request For Qualifications. The selection committee consisting of Ernest Orgera, Director of Operations and Member Stamford WPCA, Board of Directors, Prakash Chakravarti, Supervising Engineer, Marie Sabo, Laboratory Director and Site Safety officer, Beverly Aveni, Purchasing Agent, City of Stamford, and himself (Bill Brink, Executive Director), reviewed the submittals and short listed three firms namely Tighe & Bond, Hazen & Sawyer, and CDM Smith.

The three firms were interviewed and based on their proposal and presentation at the interviews the committee voted to award the contract to Tighe & Bond. W Brink briefly described the basis for their selection. The project cost will be an operating expense, and will be done in phases over 2 to 3 years. The Phase I of the contract is to conduct a preliminary inspection of the electrical panels at all the WPCA facilities to identify immediate needs and provide costs for preventive maintenance and arc flash analyses so the work can be prioritized and budgeted. Phase I also includes training of personnel. The work will be done to comply with the National Fire Protection Association (NFPA) guidelines for Arc-Flash notification and personal protection equipment requirements. The fee for Phase I is \$25,000. The Technical Committee agreed to recommend to the WPCA Board of Directors to award the contract to Tighe & Bond and approved the scope of work and fee for Phase I.

4. Sludge Drier/Pelletizer RTO & drum repair schedule

P Scorziello presented the committee with a time schedule and costs for replacing the media chambers and the burners in the RTO and the spring packs for the drier drum. He stated that he would like to have all the work done prior to the stack test in

November 2015. The costs for the repairs/improvements would be paid from the \$300,000 contribution for capital improvements in the contract with Synagro. D Capano asked about the sludge disposal costs included in the cost schedule. P Scorziello said that he deemed the repairs as unscheduled maintenance as defined by the contract and included the sludge disposal costs in the cost of the repairs to be paid from the \$300,000 capital contribution. W Brink said that he would review the contract to determine if sludge disposal costs should be included in the capital improvement costs. (The time and cost schedule is included in the meeting minutes)

5. Odor control update – W. Brink

W Brink stated that Wright-Pierce has recommended replacing the recirculating pump at the scrubber for the primary clarifiers and thickeners with a smaller pump to save power and minimize the irregular readings from the ORP probes. He mentioned that the probes were removed and tested in the laboratory and were found to be working fine. The erratic readings are thought to be caused by the turbulence in the pipe from throttling the oversized pump. D Capano asked if there were any odor complaints. W Brink said that he had not gotten any. D Capano also affirmed that he has not been aware of any complaints lately.

W Brink further said that the recirculating pump at the headworks will be replaced and the chemical feed lines have been fixed. Two carbon canisters have been procured but the motors came without a cover for outdoor installation, which have been ordered.

6. Update on engineering studies – P. Chakravarti

P Chakravarti provided the following update to the committee:

a. Raw Sewage pump Station Modifications

Wright-Pierce has submitted their report on the evaluation of the raw sewage pump station with their recommendation for the upgrade of the station. The WPCA has requested them to look into adding a means to measure the influent flow and also look into the feasibility of installing grit removal upstream of the raw sewage pumps.

b. Blower Replacement and Dissolved Oxygen Control

Wright-Pierce has started work on the blower replacement and dissolved oxygen control. They have requested our lab to do some additional sampling and testing for use in developing their process model. The process modeling may show that enlarging the first anoxic zone using the first cell of the aerobic zone will substantially reduce or possibly eliminate the need to use methanol as a carbon source for denitrification. W Brink added that the replacement blowers would be reduced in size and will be energy efficient as well. He also indicated that the CT DEEP requested us to combine the headworks and the blower upgrade projects. Our chances are good that we will be receiving a Clean Water Fund planning grant for the studies.

c. SCADA System upgrade

ARCADIS met with WPCA staff to discuss their approach to developing the life cycle cost analysis for the different SCADA hardware and software systems on the market. W Brink briefly described the different proprietary and open architecture systems that are available on the market that will be evaluated by ARCADIS.

d. Infiltration and Inflow (I/I) Analyses

The agreement with CDM Smith has been executed. Depending on the weather they are scheduled to start installing flow measuring devices beginning late February or early March 2015. The project has been included in the application for a Clean Water Fund planning grant along with the headworks and blower upgrade studies.

e. Evaluation of Sludge Degritting

The evaluation of sludge degritting system contract with Gannett Fleming will be presented to the WPCA Board of Directors at its February meeting

7. Update on construction projects

P Chakravarti provided the following update to the committee:

f. Soundview Avenue Sewer Lining

The sewer lining work has been completed and the trenches have been paved. Lawn restoration will be done in spring of 2015

g. Raw Sewage Pump Station pipe supports replacement

Work has not progressed as per contractor's original schedule. P Chakravarti will contact Nutmeg Utilities to expedite job progress.

h. UV tank walkway replacement

Met with the low bid contractor Specialty Construction Systems to discuss their means and methods for replacing the deteriorated concrete walkway with aluminum grating. The work is projected start in spring 2015

8. Old Business

D Capano stated that he will look into the programming logic for operating the channel gates at ultraviolet disinfection system. He will work with the staff in installing a uninterrupted power supply for the programmable logic controllers.

9. New Business

There being no other issues to discuss Ed Kelly made a motion to adjourn the meeting, seconded by D Capano; motion carried 2-0-0. The meeting was adjourned at 7:05 pm.