



TECHNICAL COMMITTEE MEETING MINUTES

Wednesday September 16, 2015

3rd Floor Conference Room

Building 11, 111 Harbor View Avenue

Stamford CT 06902

5:30 pm

Daniel Capano
Edward Kelly
Merritt Nesin
Gerald Bosak Jr.
William Brink
William Degnan
Prakash Chakravarti
Peter Scorziello

Chairman, Technical Committee
Committee Member
Committee Member
Committee Member (Absent)
Executive Director, WPCA arrived at 5:50 pm
Plant Supervisor, WPCA arrived at 6:05 pm
Supervising Engineer, WPCA
Synagro Inc.

1. Call to Order and Roll Call

D Capano called the meeting to order at 5 35 pm.

2. Approval of June 15, 2015 Technical Committee Meeting Minutes.

- As indicated in the August 12th 2015 meeting minutes M Nesin asked if the problems with three of the odor control scrubbers that are not receiving hypochlorite been resolved. W Brink and W Degnan who arrived later answered M Nesin that due to the very low volume of hypochlorite being pumped they believe there is gas buildup in the feed pipe that is getting air bound. There was no problem with pumping water. W Brink further added that plan is to add carrier water at pump so as to increase the flow rate thereby decreasing the possibility of air pockets.
- M Nesin asked if the waterline relocation at the WPCF had been completed. P Chakravarti said that the two waterline relocations were completed however one of them has to be cut and a new end cap installed, which will be installed in the coming weeks.

M Nesin made the motion to approve the minutes of the meeting for August 15, 2015. Seconded by E Kelly. The motion carried 3-0-0

3. Sludge Dryer Capital Modifications

P. Scorziello gave the Committee a brief powerpoint presentation on the various modifications that were done to the regenerative thermal oxidizers-RTO, the burners in the drum. He emphasized the additional modifications were incorporated into the existing units to improve upon a few issues in the units. P Scorziello stated that the net expenses for the modifications was about \$200,000 and would present the

details next month.

P Scorzielo also informed the Committee that Synagro is communicating with NUTRICO Turf Products, Bridgeport, Connecticut about blending the Stamford pellets and marketing it. NUTRICO has some specific requirements on pellet particle size and uniformity to prevent particle stratification and the addition of coating oil to grab the dust. NUTRICO would add additional nutrients to the pellets. The test run is expected to begin in October, 2015.

4. Odor Control,

B. Degnan following his arrival gave the committee an update on the odor control issues. He said that the new peristaltic pumps for the hypochlorite feeds to the scrubbers have 30 psi heads which is not adequate to pump the chemicals to the scrubbers when using carrier water. 100 psi heads are required to overcome the back pressure of the carrier water. The heads are expected to arrive soon.

The ductwork modifications in the solids processing building is progressing. The mechanics have relocated the intake louvers at the gravity belt thickeners. The existing louvers were fine they just had to clean them. Next they will work on relocating the louvers at the belt presses on the third floor.

D Capano asked if there were any odor complains in the recent past. B Brink said that there were no complains that he is aware of. He also said that Mr. Jeff Pinnette at Wright-Pierce indicated to him that the circulating water in the scrubbers in itself captures much of the odors.

5. Scope and fee for engineering design of improved flow distribution to the secondary clarifiers

B Brink said that Hazen and Sawyer has submitted their fee proposal for design services to improve upon:

- Influent flow distribution to the aeration basins
- Flow distribution to the secondary clarifiers
- Return activated sludge(RAS) flow distribution to the aeration basins and
- The inadequacy of the effluent pumps to meet the peak wet weather flow

The replacement of the UV was not included.

The design fee proposal is \$199,000 and construction is estimated to cost \$1.15 million.

D Capano added that the above will improve the efficiency of flow to a more laminar flow for better distribution.

The committee decided that they would recommend approval of the scope and fee to the SWPCA Board of Directors.

6. Upgrade of SCADA System, Contract Amendment No.2 – Phase III SCADA Upgrade Implementation

W Brink said that ARCADIS has submitted a fee proposal for their services during SCADA Upgrade implementation for construction administration, programming and configuration of software, training and startup of the new system including purchase of the software for the SCADA upgrade. The fee proposal is \$538,000.

D Capano suggested the committee address this item at it October, 2015 meeting.

7. Article in Stamford Advocate on September 12th regarding Long Island Sound and Stamford WPCF,

M Nesin said that the recent article in Stamford Advocate had some inaccuracies in the reporting regarding the Stamford treatment plant. Following a brief discussion on how to inform and educate the news reporters on the processes at the Stamford Water Pollution Control Facility, it was decided that Advocate reporter Bill Cummings should be invited for a tour of the treatment plant.

8. Repair of lateral connection at 65 Arden Lane, S. Pietrzyk (written report),

P Chakravarti presented the committee with a map and chronological summary of the events regarding the private lateral at 65 Arden Lane. P Chakravarti described to committee that the limits of the private lateral ownership was from the public sewer main to the building connection including the section below the roadway. E Kelly asked as to the length of the time frame the sewer line has been in service. P Chakravarti said it has been in service since 2001. The warranty is for just one year. Following further discussion the committee was of the opinion that the lateral was working fine for 14 years and decided to recommend rejecting the claim.

9. Tighe & Bond's Phase 1 Report on Arc Flash,

W Brink said that the purpose of the report was to help prioritize arc flash analysis and preventive maintenance of our electrical equipment to be done over 2 to 3 years. The report also found that the electrical panels at a number of our pump stations are quite old and need to be replaced. He had emailed the Arc Flash report to the members. Some of the control panels are over 40 years old and should be replaced. The top priority issues were upgrading the breakers at Dyke Lane pump station and upgrading the control panel at Greenwich Ave pump station, which will be undertaken this year.

10. Update on engineering studies,

P Chakravarti had the following updates

- a. Dyke Lane pumping station upgrade.
Stamford Board of Representatives have approved the funding of \$2,800,000 for upgrading the pump station, of which \$800,000 is a Federal Grant by the Economic Development Administration. Stantec Engineers' contract has to be amended to allow them to start design for upgrading the main switch gears and building improvements. The amendment to the contract will be presented to the SWPCA Board of Directors on Monday Sept 21, 2015 for approval.
- b. Raw Sewage PS and Blower Upgrade Project.
The preliminary design report by Wright-Pierce is in review and a workshop will be set next month.
- c. Sludge Degritting Study.
Gannett Fleming has been doing preliminary data gathering from the WPCA for study and they plan on a site visit soon.
- d. Infiltration and Inflow (I/I) Analyses.
The WPCA mechanics have been conducting smoke tests to identify sources of extraneous water that might be entering the sewer system in the Soundview area. They have located a couple sources which are being fixed.
- e. Wedgemere Road area sewers.
Met with homeowners at 173 Eden Road and 193 Eden Road last Monday.

The property owners have suggested alternate sewer routes in easements which they will be transmitting soon.

- f. Perna Lane area sewers.
The 90% design is in review and anticipates sending comments to the engineers next week.
- g. Shed for the sludge trailers
W Brink has reached out to Wright-Pierce Engineers to get a design fee estimate for the shed if it is included with the Raw Sewage Pump Station Upgrade Project.

11. Update on construction projects,

P Chakravarti had the following.

a. Sludge transfer pumps

The pressure sensors have been ordered and there is a lead time for delivery. Contractor is expected to be on site in the next couple of weeks.

b. Water line relocation at WPCF

The two waterline relocation was completed however one of them has to be cut and a new end cap installed, which will be installed in the coming weeks.

12. Old Business

There was no old business to discuss.

13. New Business

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

The next meeting of the Technical Committee will be on October 7th, 2015

There being no other issues to discuss M Nesein made a motion to adjourn the meeting, seconded by E Kelly, motion carried 3-0-0. The meeting was adjourned at 7:10 pm.