

TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, April 8, 2015

2nd Floor Conference Room

Plant Site, 111 Harbor View Avenue

5:30 p.m.

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

1. Call to Order and Roll Call

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

2. Approval of March 11, 2015 Technical Committee Meeting Minutes

E Kelly made the motion to approve the minutes of the meeting for Mar 11, 2015.

Seconded by M Nesin; the motion carried 3-0-0.

3. Report on planned repairs to the Sludge Dryer using Capital Contribution by Synagro in Sludge Dryer Services Contract.

W Brink gave the committee a brief description of the planned repairs and upgrade to the Sludge Dryer and the how it is to be funded. He said that Synagro had Andritz (the manufacturer of the drying system) do an assessment of the dryer. A draft letter agreement with Synagro to implement the recommendations in the assessment was presented by W Brink for consideration. He briefly described to the committee that the repairs would require shutting down the dryer for around 8 days which would necessitate hauling of wet sludge costing which costs would be shared by the WPCA and Synagro. WPCA's share would be about \$16,000. He will be forwarding the memorandum of agreement to Legal Affairs for their review.

P Scorziello further provided the committee with details and time schedule for the repairs. The repairs would start as of July 6, 2015. Prior to repairs to the RTOs a stack test would be conducted on Apr 30, 2015. The burners in the drum would be replaced with those that are less prone to mechanical failures. (Draft of the letter agreement is attached)

D Capano asked for a motion to recommend to the SWPCA Board accepting the agreement following any modifications by Legal Affairs. E Kelly made the motion seconded by M Nesin, motion carried 3-0-0

4. Odor control update

B Brink stated that the specifications for the replacement recirculating pumps for the scrubbers have been received. The specifications have been sent to Eversource the power supply company to see if the replacement pumps would be eligible for any energy efficiency incentives..

D Capano asked about the ductwork modifications in the solids processing building.

P Chakravarti stated that the staff mechanics would do the work in the coming weeks.

W Brink mentioned that carbon canister at the septage receiving has been installed and is running. Also the mechanics have installed a self-closing cap on the septage receiving manhole that has worked very well. The installation of piping for the carbon canister for the parked trailers is pending.

W Brink mentioned that there have been no odor complaints.

5. UV disinfection system update

B Brink mentioned that the UV dosage has been erratic, that it typically has been spiking at twelve hour intervals around 2 am and 2 pm. The spiking briefly causes over dosing which is not a problem and no permit limits are violated.

Xylem has been made aware but has not been able to identify the cause.

6. Update on engineering design/studies

P Chakravarti provided the following update to the committee:

a. Raw sewage pump station modifications

Wright-Pierce Engineers have submitted the preliminary design report for the modifications at the raw sewage pump station. The project is being funded under the Clean Water Act, and is being combined with the Blower replacement project.

b. Blower Replacement and Dissolved Oxygen Control

Wright-Pierce done some preliminary work gathering plant operating data and soon will be presenting their recommendations for process modifications that can be done before the blower upgrade.

c. SCADA System upgrade

ARCADIS has presented the SCADA standards and design schedule

d. Infiltration and Inflow (I/I) Analyses

Flow Assessment has finished installing all the flow meters and have set up the web based data acquisition and analysis.

e. Wedgemere Road area sewers

Voluntary easement acceptance agreements have been sent to the property owners for consideration of granting sewer easements. Four of the easements have been signed. P Chakravarti met with some property owners on site to explain the impact of the construction activity.

7. Update on construction projects

P Chakravarti provided the following update to the committee:

a. Raw Sewage Pump Station pipe supports replacement

All the pipe supports in the raw sewage pump station have been completed. The contractor has started work on the pipe supports in the operations building.

b. UV tank walkway replacement

The contract is signed. The contractor has sent the shop drawings for approval.

c. Sludge transfer pumps

The sludge transfer pumps are scheduled to be delivered around April 17, 2015. Met with the contractor to discuss the work schedule construction coordination.

8. Old Business

There was no old business to discuss

9. New Business

P Chakravarti described that the WPCA staff discovered a water main break that was leaking water directly into a storm drain which discharges o the harbor. The water line to the waste transfer station was found to be broken and has been repaired. The WPCA has been looking for other water line leaks or water uses that could cause our water use to rise substantially. The WPCA plans to do a water audit to reduce WPCA's water use.

- 10.** There being no other issues to discuss Ed Kelly made a motion to adjourn the meeting, seconded by M Nesin, motion carried 3-0-0. The meeting was adjourned at 6:47 pm.

[Synagro letterhead]

[date]

Executive Director
Stamford Water Pollution Control Authority
One Eleven Harbor View Avenue
Stamford, CT 06902

Re: Letter Agreement implementing Service Contract for Operation and Maintenance of the Thermal Drying Facility (“Facility”) between Stamford Water Pollution Control Authority for the City of Stamford, Connecticut (the “Authority”) and Synagro-Connecticut, LLC (“Synagro”) dated March 3, 2014 (the “Contract”)

Dear _____:

Pursuant to Section IX.1(D) of the Contract, Synagro committed make a Capital Contribution¹ in an aggregate amount of up to \$300,000 toward the cost of one or more Capital Modifications to be made at the Facility or the Wastewater Treatment Plant, as determined by the Authority. The Authority and Synagro have agreed to use the Capital Contribution to make certain repairs and upgrades to the Facility. During implementation of these repairs and upgrades, Synagro will be required to arrange for offsite disposal of the Authority’s sludge. The Authority and Synagro have acknowledged that allocating the Capital Contribution as proposed results in these disposal costs being not directly addressed by either Section VII.8(A) or (B) of the Contract. Accordingly, the Authority and Synagro have agreed to share these costs equally. Set forth below is the agreement of the parties as to how to use the Capital Contribution and to implement the understanding of the parties.

1. Synagro shall make, or cause to be made, the repairs and upgrades to the Facility listed in Attachment 1 hereto. Such repairs and upgrades are scheduled to commence before [August 3] and be completed no later than [August 12]. Synagro shall provide periodic progress updates and will provide notice when all such repairs and upgrades have been completed. Upon completion of the repairs and upgrades, Synagro will provide a Cost Substantiation Certificate compliant with Section XIV.4 of the Contract which details the costs of the repairs and upgrades. The completion of such repairs and upgrades shall satisfy Synagro’s obligations under Section IX.1(D).
2. Synagro will schedule as much of the repairs and upgrades as can reasonably be implemented simultaneously in order to minimize offsite disposal of the Authority’s sludge. Currently, Synagro estimates that offsite disposal will be required for a period of [8] days. The offsite disposal shall be separately tracked and Synagro shall invoice the Authority for such disposal in an amount equal to 50% of the rate therefor set forth in Section VII.8(B).

¹ Capitalized terms used herein but not otherwise defined herein shall have the meanings ascribed thereto in the Contract.

3. This letter sets forth the understanding of the parties as to the implementation of Section IX.1(D) and related provisions of the Contract. The Contract remains in full force and effect.

If the foregoing provisions accurately reflect your understanding with respect to the matters set forth above, please indicate the Authority's acceptance by signing in the space provided below.

Sincerely,

Synagro-Connecticut, LLC

By: _____

Name:

Title:

Agreed and accepted

Stamford Water Pollution Control Authority

By: _____

Name:

Title:

Date:

Cc: Corporation Counsel
Government Center
888 Washington Boulevard
Stamford, CT 06904

**Attachment 1
Repairs and Upgrades**

Project	Item	Lead Time	Duration	Proposed Start Date		Estimated Cost
				Earliest	Latest	
RTO	Media chambers	6-8 wks	8 Days	6-Jul	3-Aug	\$ 180,250
	1	Remove and dispose 3 ceramic media chambers.				
	2	Install 3 new media chamber including, new shell, and insulation.				
	3	Reinstall ceramic media.				
	Burners	6-8 wks	8 Days	6-Jul	3-Aug	19,500
	1	Remove and dispose 2 natural gas micro-ratio valves.				
	2	Install 2 ratio regulator control natural gas valves.				
	3	Test and adjust firing rates.				
Dryer Drum	Spring Packs	12 wks	7 Days	6-Jul	3-Aug	55,000
	1	Disassemble Dryer Outlet plate.				
	2	Cut and remove existing spring packs, (4) and dispose.				
	3	Install 4 new spring packs.				

All work to be done by others. Synagro personnel will assist with the Dryer Drum pack replacement, including rigging, welding equipment, nuts, bolts, grinders, torches and general labor support. Synagro will assist in RTO ceramic media removal and replacement.