



TECHNICAL COMMITTEE MEETING MINUTES

Wednesday 07/15/2020

4:30PM

Via VIDEO/TELECONFERENCE

Attendees:

Merritt Nesin	Chairman, Technical Committee
Edward Kelly	Committee Member
Mark McGrath (arrived at 4:35pm)	Committee Member
Rob Barocas (arrived at 4:35pm)	Committee Member
William Brink	Executive Director, WPCA
Rob Pudelka	Plant Supervisor, WPCA
Ann Brown	Supervising Engineer, WPCA

1. Call to Order and Roll Call.

M. Nesin called the meeting to order at 4:30pm and announced attendees as listed above.

2. Approval of June 10, 2020 meeting minutes.

E. Kelly made a motion to approve the minutes of the June 10, 2020 Technical Committee Meeting; seconded by M. Nesin. Motion carried 2-0-0.

3. SWPCA Operations during COVID-19 Pandemic

W. Brink reported that the plant has not been affected by COVID 19. No one has been out sick, and no one has tested positive. The plant is operating on a full staff in the lab, the operators, and mechanics. There were several people that had minor injuries such as sprains or pulled muscles but, nothing serious. R. Pudelka will report on those later in the meeting.

4. Update on Sludge Dryer and Building Repairs

W. Brink continued reporting that the equipment manufacturer, Andritz, has sent a subcontractor from South Carolina area to the plant to perform the insulation of the dryer equipment. The subcontractor arrived at the plant today with over 10 workers. There was concern from our contractor, A. Secondino, that proper COVID 19 procedures were not being followed. They felt the subcontractor should quarantine for 14 days before starting work. The two contractors will be in working inside the building near each other. It was suggested to the Andritz that its subcontractor get tested for COVID 19 and wait for test results to resume work or work a separate shift than the Secondino employees. They chose to work a different shift.

W. Brink indicated that they will be here for 5 weeks and cannot interface with WPCA employees. The Committee discussed the issue and agreed that WPCA should insist that workers traveling from quarantined states be tested before being allowed to come on the site. They requested the City Health department be contacted for direction regarding testing.

A. Brown further indicated that the construction was moving forward. The major equipment had been installed. The roof decking was in place and scaffolding was erected to finish the building repairs and do the air duct cleaning. The electrical conduit was being installed.

5. Update on Perna Lane Area Survey

A. Brown stated that the surveys are due back on July 20th. In the surveys that have been received, there is no clear majority indicating in favor of the project or opposed. The results will be compiled and presented at the August meeting.

6. Update on Preliminary, Secondary and Disinfection Treatment Improvements

A. Brown gave an update on the plant improvements. The aeration basins are empty and have been cleaned. The old diffusers are being removed, the piping cleaned, and new diffusers are being installed. New air piping is being installed and the blower replacement is ongoing. The new generator arrived at the plant and was set on its pad. The UV system is almost ready for the functional testing which will be followed by the performance testing. Training of the plant staff is still outstanding. The UV start up is behind schedule and should have been completed in June.

7. Selection of Contractor for Refurbishing the Belt Filter Press

A. Brown reminded the committee that two quotes were presented at the February meeting for this work. After reviewing each quote, the committee requested that the work be advertised for bids. Two proposals were received from the same two firms who quoted the work earlier. The proposals were from Andritz Separation Inc. in the amount of \$90,096.88 and Northeast Water Maintenance and Service Inc. in the amount of \$58,280. Northeast Water Maintenance has done repairs for the WPCA before and we were pleased with their performance. The committee agreed that the work should be awarded to Northeast Water Maintenance.

8. Investigation of Sanitary Sewer Easement at 137 Ocean Drive W.

A. Brown stated that WPCA investigated a concern regarding the condition of a stone masonry retaining wall within a sewer easement at 137 Ocean Drive W. The retaining wall is in disrepair and requires attention. Based on the available drawings and visual inspection, the sanitary sewer does not appear to be in jeopardy because of the condition of the wall.

9. Update on Bayberrie Drive sewer construction and easement to WPCA

A. Brown provided an update on the extension of sanitary sewers into the private development. An easement description was received from the HOA and is under review for approval. This description will be used for the right of entry agreement between the HOA and WPCA for the WPCA to maintain the sewers if needed within the private roads. The developers have applied for a Street Opening permit. They are planning to begin work as soon as the permit is in place.

10. Discussion on plant operations

R. Pudelka provided the June Monthly Operating Report which is attached and made part of these minutes. He indicated that there have been two mechanics out on extended leave but, one returned to work this Monday. There were some minor injuries to staff such as strains but nothing serious. Rob stated there is a lack of storage space at the site and WPCA is erecting a tent for additional storage. The tent is rated for 100mph winds and a heavy snow load. Rob stated that the plant is working well. The committee had questions regarding the plants ability to respond to incidents if staff were limited due to COVID. Rob indicated that the plant is fully staffed now. When he is aware of a potential incident like a heavy rainfall, additional operators and foreman are called into work so this should not be an issue.

11. Update on engineering studies and designs

A. Brown provided an update on engineering studies and design which is attached and made part of these minutes.

- a. Infiltration & Inflow Removal Project
- b. Sludge Degritting System Upgrade
- c. Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) Pumps BODM
- d. Sludge Management Plan

12. Update on construction projects

A. Brown provided an update on construction projects which is attached and made part of these minutes.

- a. LED lighting in Operations, Solids Processing and Chemical Buildings
- b. Repair of Storm Water Pump #2 at Cummings Pump Station
- c. Standby Generator for the Greenwich Ave. Pump Station
- d. Clay Hill Pump Station Generator
- e. Electrical Preventive Maintenance and Arc Flash Evaluation

13. Old Business

14. New Business

There being no further issues to discuss, R. Barocas made a motion to adjourn the meeting, seconded by E. Kelly; motion carried 4-0-0. The meeting was adjourned at 5:39pm.



JUNE 2020

TECH COMM REPORT

Monthly Operating Report for:	May		
	This month	Last month	10 Year Monthly AVG
Q (FLOW) DAILY AVG MGD	13.7	15.9	15.9
Q PEAK DAILY MGD	38.2	32.6	35.8
BOD INFLUENT AVG MG/L	277	247	223
BOD INFLUENT AVG LBS/D	31650	32754	
BOD EFFLUENT AVG MG/L	2	3	3
BOD EFFLUENT MAX MG/L	3	4	
BOD REMOVAL %	99.2	98.9	98.8
TSS INFLUENT AVG MG/L	397	333	346
TSS INFLUENT AVG LBS/D	45360	44158	
TSS EFFLUENT AVG MG/L	4	5	6
TSS EFFLUENT MAX MG/L	7	8	
TSS REMOVAL %	99	98.3	98.2
TOTAL N INFLUENT AVG MG/L	37.7	33.5	33.9
TOTAL N INFLUENT AVG LBS/D	4308	4442	4447
TOTAL N EFFLUENT AVG MG/L	1.82	2.4	2.21
TOTAL N EFFLUENT LBS/D	211	316	293
N REMOVAL %	95.2	92.8	93.4
TOTAL P INFLUENT AVG MG/L	5.52	N/A	4.82
TOTAL P EFFLUENT AVG MG/L	0.42	1.06	0.86
P REMOVAL %	92.4	N/A	82.1
UV EXCEEDANCES <30 mJ/cm2	None	None	

Equipment Update

NRCY Pump#5

Excavate for Garage Tent

Dryer Odor Control

With the tank drained we were able to jack and lift pump out, sent to LEP-NUT

Rented excavator and spread 3/4" process, site work for new tent

Started replacement of piping, valves, and new pump

SAFETY

PRESENTLY NO EMPLOYEES ABSENT DUE TO COVID-19 LIKE SYMPTOMS.

SAFETY

ONE MECHANICS OUT FOR EXTENDED TIME DUE TO SURGERIES.

FIVE REPORTED INJURIES FOR MONTH OF JUNE/JULY



**UPDATE OF CAPITAL PROJECTS
TECHNICAL COMMITTEE MEETING
July 15, 2020**

A. Brown presented the following project updates:

1. Update on engineering studies and designs

a. Infiltration & Inflow Study

Kenyon Pipeline is returning to work in this area. They will begin this week.

b. Sludge Degritting System Upgrade

Gannett Fleming is completing the bid documents. They anticipate being ready to bid the project in August 2020.

c. Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) Basis of Design Memo (BODM)

Hazen Sawyer is working through the RAS and WAS system evaluation. It has taken longer than anticipated and Hazen requested additional time to complete the draft report. It is expected this month.

d. Sludge Management Plan

The firm selected will be submitting their scope and fee shortly. They are waiting for some costs from their subcontractor to complete the fee schedule. They are hoping to send something to WPCA by the end of this week. We will review the information once received.

2. Update on construction projects

a. LED lighting in Operations, Solids Processing and Chemical Buildings

Energy Resources began installing the lighting on June 24th and finished on July 14, 2020. The project went smoothly. All lights were replaced in the Administration/Operations Building, Chemical Building and Solids Processing building both inside and outside.

b. Design-Build Standby Generator for the Greenwich Ave. Pump Station

The Contractor has obtained permits from the City of Stamford and will be submitting an updated schedule shortly.

c. Clay Hill Pump Station Generator

The information has been forwarded to Engineering. Bids will be received in August.

d. Electrical Preventive Maintenance Arc Flash

An Agreement has been signed by Siemens. We are scheduling the kickoff meeting for later this week.



Change Order Log as of 7-14-20

There is no change in the log since last month. There are some “pending” items which are being negotiated with final costs which will be listed on the next update.

Copy of Change Order log for construction projects attached. In summary, the value of Change Orders for Capital projects is as follows:

Preliminary, Secondary and Disinfection Treatment Improvements (Contractor – CH Nickerson)

Original Value of Contract = \$ 26,751,500.00
Total Approved CO Amount = \$ 334,990.15
Percent of total project = 1.25%

Biosolids Dryer System Selective Demolition (Contractor - BR Welding)

Original Value of Contract = \$229,306.00
Total Approved CO Amount = \$ 42,012.00
Percent of total project = 18.3%

Supply and Install LED Lighting (Contractor – Energy Resources USA)

Original Value of Contract = \$110,922.37
Total Approved CO Amount = \$ 17,520.48
Percent of total project = 15.7%

Stamford WPCF Preliminary, Secondary and Disinfection Treatment Improvements
Change Order Summary

CHN PCCOR No.	CHN PCCOR Date	Description	PCO								RFI		RFP		WCD	
			Contractor Amount	Status	Included in CO#	Total Approved Amount	Approved to Preliminary	Approved to Secondary	Approved to UV	Approved Date	No.	Date Issued	No.	Date Issued	No.	Date Issued
NA	NA	Replace the Issue for Bidding Specification Sections 00520 - Agreement and 00800 - Supplementary Conditions with the Attached Specifications	\$ -	Approved	1	\$ -					5/10/2019					
01 (rev)	6/21/2019	Programming Services Provider / Integration Services - Revised	\$ 194,922.00	Approved	2	\$ 194,922.00	\$ 48,340.00	\$ 110,000.00	\$ 36,582.00	7/9/2019						
02 (rev)	1/20/2020	Additional Plank Support Framing & Planking at UV Basin 1 Outfall	\$ 35,257.23	Approved	3	\$ 35,257.23			\$ 35,257.23	2/27/2020			01	11/19/2019		
03 (rev)	10/25/2020	Changes to Moment Connection at UV Canopy	\$ 4,076.36	Approved	3	\$ 4,076.36			\$ 4,076.36	12/12/2019	H-019					
04	10/25/2019	Modify Leaking Gate and Wall Infills	\$ 10,824.91	Approved	To Bid Item 5B	\$ 10,824.91		\$ 10,824.91		12/2/2019	W-015	8/19/2019				
05	11/18/2019	UV Pilasters	\$ 2,689.46	Approved	3	\$ 2,689.46			\$ 2,689.46	11/19/2019						
07	1/22/2020	Bulk Waste Testing - Additional	\$ 4,266.05	Approved	To Bid Item 13A	\$ 4,266.05	\$ 4,266.05			2/27/2020						
08	1/28/2020	Additional Gate Demo at ATs	\$ 6,612.83	Approved	To Bid Item 5B	\$ 6,612.83		\$ 6,612.83		2/27/2020					W-05	11/20/2019
09	1/28/2020	Remove and Reinstal drain piping and electrical conduionboxes in Blower Room to install new fire rated wall. Plans did not call for this work	\$ 28,473.69	Approved	3	\$ 28,473.69		\$ 28,473.69		4/7/2020					W-06	11/20/2019
10	2/14/2020	Demo Sonotbe un Conflict with SS Air Pipe	\$ 1,464.31	Approved	To Bid Item 5B	\$ 1,464.31		\$ 1,464.31		2/27/2020					W-07	11/22/2019
11	2/21/2020	Add spool pipe to Septage Area	\$ 1,214.84	Approved	3	\$ 1,214.84	\$ 1,214.84			2/27/2020					W-03	11/20/2019
12	3/4/2020	Additional Cable Tray Supports Not shown on drawings. Approved materials only. Labor to high so going T&M	\$ 16,077.81	Partial Approval	TBD	TDB			TBD		W-65	12/18/19				
13	3/9/2020	Additional Rebar at UV Basin 1	\$ 21,447.91	Approved	3	\$ 21,447.91			\$ 21,447.91	3/15/2020					H-01	12/18/2019
15	3/18/2020	Reroute roof drain from Screenings Building as required by the Stamford Building Department. Approved materials only. Labor to high so going T&M	\$ 6,912.20	Partial Approval	TBD	TBD	TBD			4/7/2020					W-01	
16		Additional Cable Tray & Supports. Approved materials only. Labor to high so going T&M	\$ 12,593.87	Partial Approval	TBD	TBD			TBD	4/7/2020	W-83	12/23/2020				
17	4/14/2020	UV Power Panel Relocation	\$ 23,740.56	Approved	3	\$ 23,740.56			\$ 23,740.56		H-095	4/8/2020				
	4/24/2020	Replace Cables for Gates Not Shown on Contract Drawing	\$ 5,893.78	Under Review												
		Modbus Network Modification		Pending											H-02	3/5/2020

