



TECHNICAL COMMITTEE MEETING MINUTES

Wednesday 05/13/2020

4:30PM

Via Videoconference

Attendees:

Merritt Nesin	Chairman, Technical Committee
Edward Kelly	Committee Member
Robert Barocas	Committee Member
Mark McGrath	Committee Member
William Brink	Executive Director, WPCA
Rob Pudelka	Plant Supervisor, WPCA
Ann Brown	Supervising Engineer, WPCA
Susan Nabel	Board of Representatives, Stamford
Lou DiMarzo	Engineer for 61 Bayberrie Dr.
John Pedone	Owner of 61 Bayberrie Drive
Patricia Parry	Westover Park Homeowner Assoc President

1. Call to Order and Roll Call.

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

2. Approval of April 15, 2020 meeting minutes.

E. Kelly made a motion to approve the minutes of the April 15, 2020 Technical Committee Meeting; seconded by R. Barocas. Motion carried 4-0-0.

3. Proposed Sewer Extension for 61 Bayberrie Drive

A. Brown stated that Mr. John Pedone, owner of 61 Bayberrie Drive, was proposing to install a sanitary sewer from Westover Road, approximately 400 ft into the private development of Westover Park to service his home and three others on Bayberrie Drive. R. Barocas asked what the driving factor was for installing the sewers. L. DiMarzo stated that there was an issue in this area with high groundwater and there needs to be an 18" separation between the leaching field and groundwater which may not be achievable. The Westover Park Homeowners Association had provided a 2001 Master Sewer Plan for the development and Mr. Pedone's proposal was in accordance with the plan. Ms. Parry, President of the Homeowners Association (HOA), stated that the HOA agrees with Mr. Pedone's plan provided the WPCA maintain the sewer. The HOA is planning on paving the road after the sewers are installed. W. Brink stated that the homeowners would be responsible for the entire service lateral up to the connection to the sewer main since these are private roads. W. Brink indicated that there would need to be a written Agreement and an easement provided to the WPCA. Mr. Pedone's engineer will prepare an easement map & description. The sewer needs to be inspected by a Professional Engineer in the state of CT. They will need to submit to WPCA as-built drawings of the sewer and a certification that the line was constructed in accordance with the design drawings, both signed and stamped by a CT Professional Engineer. They will also need to submit passing results from a pressure test and a TV inspection of the line. P. Parry indicated that the

HOA will be looking at future sewer line extensions in the development. They were advised to obtain a permit and follow the permitting procedures for the road opening and trench restoration when working in the City roadway. The Technical Committee voted to recommend to the Board that the proposed sewer extension be approved, and that the sewer line be maintained by the SWPCA. Motion by E. Kelly, second by M. Nesin, motion approved 4-0-0

4. SWPCA Operations during COVID-19 Pandemic

W. Brink indicated that the plant and collection system has been operating with a reduced staff. He intends on bringing the operators and mechanics back beginning 5/18. R. Pudelka said that with the construction project, WPCA needs to accommodate the Contractor by lowering a tank, taking a train offline and operating gate valves. WPCA is obligated to do this by 6/1 so more plant personnel are needed. W. Brink said that the collection staff is limited and not able to do the routine maintenance. Cleaning of lines has stopped. When bringing staff back, they will follow social distancing. They will ride in separate vehicles. R. Bull stated that the office staff will continue to follow the Governor's guidelines. It was reported that there is a reduction in revenues with the April billing. WPCA has several vacancies (Assistant Plant Supervisor, (2) Mechanics, Shift Foreman, Environmental Technician) but will propose a hiring freeze for some vacant positions.

5. Update on Sludge Management Plan Interviews

A. Brown stated that the selection panel interviewed the four (4) short listed firms. Negotiation of scope of work and fee will begin with the top ranked firm. The purchasing department will notify firms of the results.

6. Discuss RFP 795 for Sludge Grinder Units

A. Brown stated that proposals were received from three (3) firms for the sludge grinder units as follows: JWC in the amount of \$113,497; Franklin Miller in the amount of \$89,875; and Vogelsang USA in the amount of \$37,000. The selection panel held interviews and discussed with each firm the maintenance of the units, construction of the units, cost of replacement parts and existing installations. The panel selected Franklin Miller.

7. Update on Sludge Dryer and Building Repairs

A. Brown indicated that bids were received from two (2) contractors for the project as follows: CH Nickerson in the amount of \$ 1,776,834.00 and A. Secondino & Son in the amount of 1,365,121.00. A. Secondino & Son was chosen as the lowest responsible bidder. An Agreement is being prepared. The original schedule showed the dryer unit in operation in September 2020. The contractors schedule will be updated when delivery of the Andritz equipment, which has been ordered under a separate purchase order, is confirmed.

8. Memo by M. Nesin regarding Perna Lane Area Sewer Project

A memo from M. Nesin requesting that the homeowners be notified that the Perna Lane sewer project will not move forward was discussed. By sending a notice, people who need repairs are not delaying the necessary repairs to their systems. M. Nesin stated that a majority of people did not return the survey and either do not care or will say no to installing sewer. If the project moves forward, these people will have to pay for a system they do not want. S. Nabel felt cancelling the project was premature. She said that owners were afraid to answer the survey questions. They felt that if they indicated their system was old or failing, they would be forced to make costly repairs. She asked that a 2nd and final survey be sent to those who did not respond. E. Kelly and R. Barocas agreed with Ms. Nabel recognizing that the sensible thing to do with the current circumstance of COVID 19 is to take additional measures and send a second survey request. M. Nesin asked that the costs to the homeowner be included in the survey. After discussion, it was agreed that for the survey to be fair, the questions should not be changed. The cover letter would be changed to indicate this is the final request and the results will be used to determine if the project moved forward. The survey will be sent to only those who did not respond. E. Kelly made a motion to resend the survey to those who did not respond with minor changes to the cover letter; seconded by M. McGrath. Motion carried 4-0-0.

9. Discussion on plant operation

R. Pudelka provided the April Monthly Operating Report which is attached and made part of these minutes.

Mr. Pudelka notified the committee that WPCA will be receiving Nitrogen credits in the amount of \$1.4M.

10. 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

11. Update on construction projects

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

- a. Preliminary, Secondary and Disinfection Treatment Improvements.
- b. LED lighting in Operations, Solids Processing and Chemical Buildings
- c. Design Build a Standby Generator for the Greenwich Ave. Pump Station
- d. Clay Hill Pump Station Generator
- e. Electrical Preventive Maintenance and Arc Flash Evaluation

12. Old Business

13. New Business

There being no further issues to discuss, E Kelly made a motion to adjourn the meeting, seconded by M. McGrath; motion carried 4-0-0. The meeting was adjourned at 6:08pm.



APRIL 2020

Monthly Operating Report for: MARCH

						PERMIT LIMITS
Q (FLOW)	MGD	AVG	16.1	PEAK	29.1	
BOD INFLUENT	mg/l	AVG	237	LBS/D	31,554	
BOD EFFLUENT	mg/l	AVG	2	MAX	4	20
BOD REMOVAL	%		98.9			85%
TSS INFLUENT	mg/l	AVG	295	LBS/D	43,773	
TSS EFFLUENT	mg/l	AVG	6	MAX	10	20
TSS REMOVAL	%		98.1			85%
UV LOW DOSE	mJ/cm2		69			≥30 mJ/cm ²
TOTAL N INFLUENT	mg/l	AVG	32.4	LBS/D	4,350	
TOTAL N EFFLUENT	mg/l	AVG	1.99	LBS/D	264	926
N REMOVAL	%		93.9			
TOTAL P INFLUENT	mg/l	AVG	4.34			
TOTAL P EFFLUENT	mg/l	AVG	0.56			
P REMOVAL	%		87.1			
EXCEEDANCES	None					

PLANT EQUIPMENT HIGHLIGHTS

- BFP Replaced belts on two of presses.
- Primary #1 Installed new gearbox and motor.
- Garage Door Solids Processing truck bay door not going up, mechanics removed door. Crawford door to order necessary parts and install.
- Bar Screen #1 Damaged scraper bar, removed and straightened in press and adjust chain.
- Polymer Pumps Rebuild #4, cleaned make-up system.

SAFETY TWO OPERATORS OUT ON QUARANTINE DUE TO COVID-19 LIKE SYMPTOMS.

SAFETY TWO MECHANICS OUT FOR EXTENDED TIME DUE TO SURGERIES.





**UPDATE OF CAPITAL PROJECTS
TECHNICAL COMMITTEE MEETING
May 13, 2020**

A. Brown presented the following project updates:

1. Update on engineering studies and designs

a. Infiltration & Inflow Study

No change since the last meeting. Kenyon Pipeline is not working due to COVID 19. Before they suspended work, Kenyon Pipeline began working on Seaview Avenue, Shippan Avenue, Wardwell Street, Owens Street and James Street. They began with TV inspections to determine if sewer is ready for lining. They were able to video about 1.5 miles of sewer and found two places that need to be cleaned before lining.

b. Sludge Degritting System Upgrade

Gannett Fleming is completing the 100% Design Submittal documents. They have requested information on the chosen grinder units to complete the documents. This information was forwarded to them so they can complete the design. The project will replace the primary sludge pumps and sludge degritting equipment. We still anticipate bidding the project in July 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. They requested additional drawings and information from the City which was provided. A draft BODM is expected this month.

2. Update on construction projects

a. Preliminary, Secondary Treatment and UV Disinfection Improvements

Contractor, C.H. Nickerson, is working to complete the UV system. They have been issued an extension of time for 6 days to cover a suspension of work due to COVID 19. They are still scheduled to complete the UV system by June 1st. In the blower building, the fire wall is complete and inspected. Excavation for the bridge crane footings and the generator is done. Nickerson is backfilling the area to prepare for the next concrete pour which is for the bollards around the generator. A bypass pumping plan has been submitted and is under review.

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

Energy Resources has submitted shop prints for the lighting which have been approved. They will revise and resubmit a schedule for the work as soon as they receive the delivery dates for the fixtures.

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

We are still reviewing some final shop prints. The Contractor is completing its submission for a Coastal Site Plan review.

d. Clay Hill Pump Station Generator



A design for the generator pad and site work will be submitted to the City Engineering department to be included in the drainage project in the area by the end of next week. While the site work is being completed, we are in discussions with Northeast Generator as to the size generator needed for this location.

e. Electrical Preventive Maintenance Arc Flash

Siemens has been issued a conditional award letter. The City Purchasing department is working to get insurance and agreements in place with Siemens for this contract. We will issue a contract for one year in the amount of \$95,732.00.

Change Order Log 5-13-20

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

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

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

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

