



## TECHNICAL COMMITTEE MEETING MINUTES

Wednesday Sep 13, 2017

2<sup>nd</sup> Floor Conference Room

Building 11, 111 Harbor View Avenue

Stamford CT 06902

4:30 p.m.

Daniel Capano	Chairman, Technical Committee
Edward Kelly	Committee Member
Merritt Nesin	Committee Member
William Brink	Executive Director, WPCA
William Degnan	Plant Supervisor, WPCA
Robert Pudelka	Assistant Plant Supervisor, WPCA
Prakash Chakravarti	Supervising Engineer, WPCA
Benjamin Levin	Hazen & Sawyer
Mathew Hross	Hazen & Sawyer

### 1. Call to Order and Roll Call.

D. Capano called the meeting to order at 4:30 pm.

### 2. Approval of Aug 9, 2017 Technical Committee Meeting Minutes.

E Kelly made the motion to approve the Aug 9, 2017 Technical Committee meeting minutes; it was seconded by M Nesin. Motion carried 3-0-0

### 3. Review Graybar's proposal to furnish and install LED site lighting for \$70,662 using competitive bid pricing from US Communities

W Brink explained that Graybar who is a provider of LED fixtures has submitted pricing to replace the existing lighting fixtures with new energy efficient LED fixtures. The pricing is based on the US Communities competitive bids for Los Angeles. U.S. Communities is the leading national cooperative purchasing program, providing government procurement resources and solutions to local and state government agencies. The pricing provided meets City of Stamford purchasing regulations. Graybar had provided the SWPCA with a thorough report for upgrading the lighting using high quality fixtures. W Brink said that he has received good recommendations from the energy auditing firm J K Muir and the City's Utility Engineer. M Nesin asked if there were any rebates. W Brink said the payback on the investment would be in 3.5 years and would receive a rebate of around \$28,000 from Eversource Utility company.

### 4. Hazen & Sawyer's presentation of the basis of design draft report for the upgrade of the UV disinfection system

B Levin of Hazen & Sawyer presented the Technical Committee with a briefing on the basis of design draft report for upgrading the ultra-violet (UV) disinfection system at the treatment facility. He indicated that they have evaluated four UV systems,

namely Trojan UV3000Plus, Wedeco TAK 55, Weco Duron, and Enaqua. Enaqua was ruled out because of inadequate hydraulics with the system. Wedeco declined to show much interest in the project and did not providing details of their TAK 55 or Duron systems for various reasons. B Levin said that Trojan UV3000Plus is the best fit for existing channels and is a proven product. D Capano asked about Trojan's aftermarket service. B Levin said he has received very positive feedback from the users. He added that the request for proposals will use qualitative and cost based criteria for system selection. Following the selection of the system to be installed Hazen would proceed to develop the design plans that would be presented to the Technical Committee in March, 2018. Final design would be ready in July, 2018 and ready for bidding in August, 2018. B Levin said that Hazen will also look into other combinations of number of channels and number of banks in each channels.

**5. Fifth Amendment to agreement with ARCADIS for additional construction administration services in coordinating and overseeing the additional work being performed by the Systems Integrator as requested by the WPCA. Fees based on an hourly rate schedule, not to exceed \$15,000.**

W Brink said that the additional services were requested by SWPCA staff, mostly to add monitoring of various equipment to the new SCADA system, that was not previously monitored by the old SCADA system. The additional services will be billed based on hourly rates, not to exceed amount of \$15,000. D Capano asked if there has been any progress with respect to implementing the Wi-Fi and said that he was not happy that it is being pushed aside. W Brink replied that there has been some delay but Arcadis provided assurances it will be completed. The committee agreed to approve the Fifth Amendment for \$15,000. Vote 3-0-0

**6. Review Arcadis' proposals to provide on-call services in support of the SCADA system for the WPCF based on hourly charges for an annual cost not to exceed \$40,000, and provide on-call services in support of the SCADA system for the pump stations based on hourly charges for an annual cost not to exceed \$20,000.**

W Brink said that the WPCA had requested ARCADIS to provide us with a fee proposal to provide on-call support services for the SCADA system at the treatment plant and the SCADA system for the pump station controls. ARCADIS also will trouble shoot the communication issues the staff is experiencing with the station alarms. E Kelly asked who will monitor and approve the on-call services. W. Brink replied that requests for on-call SCADA services will need the approval of SWPCA managers, who will monitor the services to assure that the work is done cost effectively and stays within budget. W Brink said the fee proposals are not to exceed amounts. The committee agreed to approve the not to exceed fees of \$40,000 for the treatment plant and not to exceed fees of \$20,000 for the pump stations. Vote 3-0-0

**7. Update on engineering studies and designs,**

P Chakravarti presented the status for each of the projects as below:

**a. Wedgemere Road Area Sewers.**

He is preparing the documents for filing the application for Stamford Environmental Protection Board permitting.

**b. Perna Lane Area Sewers.**

The project is with Stamford EPB for approval.

**c. Upgrade of UV disinfection.**

Hazen & Sawyer has presented the basis of design draft report for upgrading the ultra-violet (UV) disinfection system as discussed above.

**d. Upgrade of the Raw Sewage Pump Station**

The preliminary design report by Wright-Pierce has been reviewed. A workshop was held on Aug 10, 2017. Engineers are incorporating the suggested revisions.

**e. Upgrade of aeration blowers, modification of aeration basins, dissolved oxygen control, and emergency power generator**

The preliminary design report by Wright-Pierce has been reviewed. A workshop was held on Aug 10, 2017. Engineers are incorporating the suggested revisions.

**f. Infiltration & Inflow study.**

CDM Smith is conducting sanitary sewer evaluation survey for the second sub area identified in the I&I study. Bids for lining the sewers in the Willowbrook Road area were received on Sept 6, 2017. Reference checks will be done prior to recommendation for award of contract to the low bid vendor,

**8. Update on construction projects,**

P Chakravarti presented the status for each of the projects as below:

**a. Replacement of primary sludge force mains.**

Nac Industries has installed both the 10" sludge force mains and are installing the flushing systems.

**b. Dyke Lane pumping station upgrade.**

The contractor has started excavating for the foundation for the generator.

**c. Arc Flash –Electrical preventive maintenance.**

Reuter Hanney's references were contacted by Tighe & Bond and the comments were all positive. They will be awarded the contract.

**d. Flow distribution to the secondary clarifiers and effluent pumps.**

The construction for the flow distribution project is about eighty percent complete. C.H. Nickerson will be pressure testing the structure for water tightness in the coming weeks. They are also preparing to install the bypass pump system at the effluent pumps.

**9. Old Business:**

**Status of cost proposal from Andritz to rehabilitate two (2) gravity belt thickeners**

W. Degnan said that he does not have the information as yet to present.

**10. New Business:**

There was no new business to discuss.

M Nesin made motion to adjourn meeting, second by E Kelly, motion carried 3-0-0. Meeting adjourned at 5:45 pm.