



TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, January 19, 2022

4:30PM

Via VIDEO/TELECONFERENCE

Attendees:

Merritt Nesen, P.E.
Edward Kelly
Steve Bagwin
William Brink, PE
Peter Scorziello

Chairman, Technical Committee
Committee Member
Committee Member
Executive Director, WPCA
Project Manager, Synagro

1. Call to Order and Roll Call.

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

2. Approval of November 10, 2021 Meeting Minutes.

E. Kelly made a motion to approve the minutes of the December 14, 2021 Technical Committee Meeting; seconded by M. Nesen. Motion carried 3-0-0.

3. Public Comments – None.

4. Update on Sludge Dryer Operations and Stack Test

P Scorziello provided a summary of the results of the stack test on the sludge dryer. The stack test measured the emission of VOC's, CO and particulate matter. All test results were very good, and were an order of magnitude below the air permit limits. The sludge dryer has been operating well since its start up a year ago following a major rebuild. The quality of dried sludge pellets produced is better, denser, and improvements to the polycyclone results in much less plugging from fiber in the sludge. M Nesen asked why there were so many trailers for sludge cake stored on site. P Scorziello noted that most were empty but they are needed in case sludge cake needs to be diverted from the dryer. W Brink explained that on some days the plant produces more sludge than the capacity of the dryer, and the sludge cake is then diverted to a trailer. W Brink estimated that on average 8 to 10 trailers a month are filled with sludge cake to be hauled away for disposal off site. M Nesen asked if we need a second sludge dryer. W Brink noted that the Sludge Management Plan will evaluate the need for another or larger dryer. M Nesen requested that Synagro apply to CTDEEP for a permit modification, as promised, to allow greater sludge dryer throughput to avoid sludge cake being diverted to trailers. P Scorziello agreed as the lower emissions shown in the stack test would justify the increase in permitted sludge dryer production.

5. Discussion and Approval of Increasing the \$100,000 threshold of RFP #816 to \$150,000

W. Brink explained that RFP #816 for on call millwright services was awarded to Northeast Water Services for a NTE of \$100,000. We had Northeast Water repair primary clarifier No. 1 for approximately \$4,500 and have authorized them to replace the scum trough on Final Clarifier No. 3 for approximately \$40,000. We are requesting approval for Northeast Water to rebuild belt filter press No. 2 for \$58,820 (see proposal attached), which will exceed the threshold of \$100,000. We are therefore requesting that the limit for the contract be increased to \$150,000 should additional millwright service be needed. The Committee voted to

recommend to the Board approval of the increase in the contract limit to \$150,000, and approve Northeast Water to rebuild BFP No. 3 for a fee of \$58,820. Vote was 3-0-0.

6. Discussion and Update on SWPCA's Response to the BOR Resolution No. 4113 re Upgrading of Drainage and Related Infrastructure

W Brink reported that BOR Resolution No. 4113 cited the impact of tropical storm Elsa and the remnant of Hurricane Ida on flooding in the City and the record high flows at the treatment plant, and requested that a study of short, medium and long term infrastructure improvements be done to protect against future storms events. SWPCA will coordinate its response with the City's Operations and Engineering Departments, especially regarding any studies of the hurricane barrier and storm water pump stations. W Brink will meet with M Quinones, Director of Operations and Lou Casolo, City Engineer, on 1/20/22 to plan our response.

7. Discussion on Plant Operations

R. Pudelka previously provided a summary of plant operations in December 2021 and in calendar year 2021. W Brink noted that the plant has performed very well under the direction of Rob and the Shift Foremen, even while the plant underwent major construction, including having one aeration train (half the aeration tankage) out of service for an extended time. M Nesin noted that he toured the plant the day before the meeting and the finished construction looked good. The new septage receiving station is now in service and being used by the septage haulers. M Nesin stated his concern with the vibration of the new raw sewage pumps and shafts. An analysis of the vibration has been done and we are awaiting the report.

8. Update on Engineering Studies and Designs

W Brink provided a brief update on engineering studies and designs as follows:

- a. Infiltration & Inflow Removal Project – CDM Smith to start design of next phase of sewer rehabilitation.
- b. Sludge Management Plan – next step is for Hazen to present cost estimates for the screened alternatives.
- c. Engineering Design Services for Plant Water System and the RAS/WAS Pumping Systems – will meet with Gannett Fleming to review scope of work following pre bid walk thru for Sludge Degritting on 1/21/22.
- d. RFQ for Evaluation of the Alford Lane, Commerce Drive and Saddle Rock Pump Stations – A Brown will complete draft RFQ when she returns from leave.

9. Update on Construction Projects

W Brink provided a brief update on construction projects as follows:

- a. Standby Generator for the Greenwich Ave. Pump Station – City Engineering department has approved for construction. Needs Coastal Site Plan approval by EPB and Planning.
- b. Preliminary, Secondary and Disinfection Treatment Improvements – New septage receiving station is now in service. Need to complete painting in raw sewage pump station and site restoration. Few workers on site and final completion is very slow going.
- c. Clay Hill Pump Station Generator – waiting for bid date from City Purchasing.
- d. Electrical Preventive Maintenance and Arc Flash Evaluation – Siemens has one (1) more MCC panel to complete their electrical preventive maintenance (EPM) work. EPM findings have been sent to Tighe & Bond for completion of Arc Flash Study
- e. Sludge Degritting System Upgrade – pre bid walk thru with interested bidders on Friday, 1/21/22.

10. Old Business – None.

11. New Business – None.

There being no further issues to discuss, E. Kelly made a motion to adjourn the meeting, seconded by S. Bagwin; motion carried 3-0-0. The meeting was adjourned at 5:30 PM.