

MINUTES
OPERATIONS & ENGINEERING COMMITTEE MEETING
JUNE 14, 2022 (VIRTUAL)

Attendants: Messrs. Cherico, DiSantis, Garner, Hurst, Kern, Knapp, Lehman, Monaghan, Moss, Mullen, Nagle, Willert, and Mesdames Amadio, Billings, Bonnett, Caulk, Cummings, Nichols, and Sage.

1. ROLL CALL: Nine members of the DELCORA Board of Directors were present at the meeting constituting a quorum.

The following were present: Mike Ewall and David Thomas. There were no other members of the Public present.

2. PLEDGE OF ALLEGIANCE: All parties present at the meeting recited the Pledge of Allegiance.

3. BID OPENING:

- Contract No. P2022-02 – Sodium Bisulfite 38%

Ms. Caulk stated that there was one bid received.

	<u>TOTAL BID AMOUNT</u>
Coyne Chemical Co., Inc.	\$ 80,833.50 (unit price-\$5.3889)

Mr. Mullen stated that this bid will be reviewed by Staff and our Solicitor's office, and consideration of award will be placed on the agenda for the June 21st Board meeting.

4. MONTHLY REPORT – DIRECTOR OF OPERATIONS & MAINTENANCE: Mr. DiSantis highlighted certain items in the written report. Mr. DiSantis stated that there were two NPDES permit violations at the WRTP in May. One was for failure to analyze oil and grease on May 3rd and the other was for an analytical procedural error which invalidated the fecal coliform sample on May 26th. He also mentioned that there was one violation in April. The weekly average loading limit of BOD was exceeded by 35 lbs. The permitted limit is 10,500 lbs. and we had 10,535 lbs. for the week of April 3rd through the 9th. During that week, there was heavy rain and that caused the issue as we had four consecutive days where our total flow exceeded the design of the plant and averaged between 58 to 66 MGD. Mr. DiSantis explained that when he gave his report last month, he had not done that calculation and he apologized for the oversight. He also noted that it's highly unusual for that to happen. Continuing, he reported that flow for the month of May was about 36 MGD and year-to-date was about 35 MGD. It was also a good month for process control with single digit numbers in both TSS and CBOD with a CBOD removal of 97%. For May, solids handling averaged dry tons per day of about 65, cake solids of about 22%, and very low gas usage of under 2 MCF per dry ton leading to very low costs for processing, specifically for polymer and natural gas.

Regarding flows, Mr. DiSantis stated that the plant received 99% of the flow from the Central Delaware Pump Station during the month. This usually occurs when there is very little rain. There were two reportable emissions related incidents during the month. One was the opening of the #1 RTO short stack due to a PLC power supply failure and the other incident was for a short stack opening on the other incinerator caused by an operator reacting too quickly to a pressure drop and the operator made too drastic of a change. A coaching session was held with the operator on the importance of making incremental adjustments. Further training for all operators is planned.

Under Maintenance, Mr. DiSantis reported that Central Maintenance continues to handle many downtime events plus project support that's needed for capital improvements. Central Maintenance work during the month was almost 59% planned and predictive, and 41% corrective. Sewer Maintenance also had a very busy month with about one third of their time spent on routine line cleaning and televising due to the warmer weather. Mr. DiSantis reported that there were two violations at the remote facilities. One occurred at the Chadds Ford Turners Mill facility for exceeding the monthly average TSS concentration limit caused by a bypass of the effluent filter system due to construction and the other violation occurred at the Pocopson Preserve for exceeding the TSS limit due to excess algae. Mr. DiSantis had no additional comments to the written report. The Committee had no questions regarding the written report.

5. MONTHLY REPORT – DIRECTOR OF ENGINEERING: Mr. Hurst highlighted certain items in the written report. Regarding the HVAC Energy Savings Upgrade Project, he noted that the HVAC system in B-3 is fully online improving the way gases move around the building and improving the reliability on the SCADA system. There wasn't too much activity under the routine annual services contracts. The annual Sewer Maintenance contract will go out for bid this month. Regarding the T-28 project, Mr. Hurst stated that progress is proceeding with slab pouring work complete and concrete pouring for the walls has begun. He also noted that there have been supply chain issues with the stainless steel parts for the clarifier. The expected delivery date is now fall of 2022. Mr. Hurst stated that the Upland Church Street Sewer Renovation project is complete and in the process of close out.

Regarding the CSO Long Term Control Plan Update, Mr. Hurst stated that preliminary comments were received from the EPA and informal contact was made to determine how to get the outstanding comments resolved and we are getting close to resolving those issues and to formal approval. Under the Tunnel program, he reported that design is progressing in all areas and a 90% design plan of the tunnel package was delivered, and Contract 1 is the first one scheduled to go out for bid. Continuing, Mr. Hurst reported that a Community Day was held at the plant on May 21st for Chester residents that was well attended and successful. This was a public outreach event that included an explanation of the Tunnel project. He also stated that the 90% complete design report and preliminary drawings were recently received. The NPDES Permit Modification and the DRBC Docket are making their way through the process. He mentioned several items listed under the Pretreatment Program and under the Regulatory Filings, such as the permit renewals/expansions/modifications for various

projects, such as T-28 and the tunnel program, and for various stormwater permits and construction permits.

Mr. Kern inquired about the Pyrolysis Study. Mr. Hurst responded that this is still ongoing and he will follow up with Material Matters to get a draft report of the test results to date, and perhaps expand the scope to include a risk management type approach to that analysis as well as overall sludge management in general. He will report on that at a later date. Mr. Hurst had no additional comments to the written report. The Committee had no other questions regarding the written report.

6. MONTHLY REPORT – ENGINEERING ADVISOR: Mr. Lehman highlighted several on-going projects on the written report, which had been provided to all Board members in advance of today's meeting. He stated that the Annual SWMM Modeling continues to progress well every month with no problems. Regarding the Metering Program, he stated that April was a much wetter month as noted in the higher numbers being registered through the different meters. These flow increases were included in the monthly summaries that were submitted to DELCORA staff. All other listed projects remain the same. Mr. Lehman had no additional comments to the written report. The Committee had no questions regarding the written report.

7. CHANGE ORDERS:

- Contract No. TEW-2008-C – Furnishing Equipment, Labor, & Supervision For Electrical Maintenance, Repairs & Other Construction-Related Projects – Change Order No. 2 – Increase In Contract Amount Due To Support Of Emergency Electrical Work At The Darby Creek Pump Station – Increase In Contract Amount Of \$495,000.00 (Philips Brothers Electrical Contractors)

Mr. DiSantis stated that he had previously given a detailed memo to Mr. Kern and Mr. Mullen concerning the failures of existing equipment at the Darby Creek Pump Station on May 21st and the need to perform these emergency repairs immediately. He reviewed the emergency repairs required. There was rodent damage to the communication wires that go to the PLC so the generator did not come on during an electrical failure. Fortunately, the station did not overflow. There is also a variety of aged equipment in this pump station and it was decided that it would be best to replace all of it as well as the failed equipment. There was also arcing inside a cabinet and that destroyed the main breaker. Some of the equipment needed to do the repairs included: the transformer \$85,000, the switch \$40,000, cabling \$16,000, PECO lock-out tag \$5,000, and temporary cable rental for power \$10,000. All of the work was successfully completed last week. He commended the staff from maintenance, engineering and the electrical contractor that planned and performed the work for a job well done. He also thanked the Board for their support. Furthermore, he stated that while the system was on bypass, some other electrical maintenance was done, such as the 480 volts substation was completely inspected and cleaned.

Mr. Kern noted that this change order needs to be identified as an “emergency” in the minutes of this meeting and on the Board agenda.

It was the consensus of the Committee to recommend Board approval of the above emergency contract change order. This item will be placed on the agenda for the June 21st Board meeting.

8. REQUEST FOR APPROVAL OF CONTRACT CLOSE-OUT & FINAL PAYMENT:
Mr. Mullen stated that there were no Contract Close-outs at this time.

9. AUTHORIZATION FOR PROFESSIONAL SERVICES:

- A. Chavond-Barry Engineering – Proposal Dated May 9, 2022 – For Professional Engineering Services To Provide General Advice During Calendar Year 2022 – Total Amount Not To Exceed \$25,000.00 (Operating Funds)

Mr. Hurst stated that this proposal is for general incinerator support relative to Title V and to serve as combustion engineer for the incineration project.

It was the consensus of the Committee to recommend Board approval of the above proposal. This item will be placed on the agenda for the June 21st Board meeting.

- B. Chavond-Barry Engineering – Proposal Dated May 9, 2022 – For Professional Engineering Services To Provide Scrubber Service (Data Review, Troubleshooting, Operations Support, Prepare Training Materials And Training) – Total Amount Not To Exceed \$35,000.00 (Operating Funds)

Mr. Hurst stated that this proposal is task specific to the wet scrubber. There has been some difficulty optimizing this piece but it does not cause any emission issues. They have identified a sub-consultant to retain to provide some additional support with the wet scrubber.

It was the consensus of the Committee to recommend Board approval of the above proposal. This item will be placed on the agenda for the June 21st Board meeting.

- C. Trace Environmental Systems, Inc. – Proposal Dated April 7, 2022 – For Professional Engineering Services For CEMS And DAS Maintenance And Support Renewal (July 1, 2022 To June 30, 2023) – Total Amount Not To Exceed \$32,567.00 (Operating Funds)

Mr. Hurst stated that this proposal is for routine services on the CEMS (the Certified Emissions Management System) and the DAS (the data system that goes with it). This is for the renewal of the contract for the next term of July to June.

It was the consensus of the Committee to recommend Board approval of the above proposal. This item will be placed on the agenda for the June 21st Board meeting.

- D. Trinity Consultants – Proposal Dated May 20, 2022 – For Professional Services To Provide Additional Services Regarding The Air Quality Permitting Evaluation For New Back-Up Scrubber, Prepare Plan Approval Application And Prepare Response To PADEP Comments – Total Additional Amount Not To Exceed \$4,600.00 (Operating Funds)

Mr. Hurst stated that this proposal is for ongoing work with the PADEP application process to get the back-up scrubber approved.

It was the consensus of the Committee to recommend Board approval of the above proposal. This item will be placed on the agenda for the June 21st Board meeting.

10. AUTHORIZATION TO ADVERTISE FOR BIDS:

- Contract No. TC-2205-C – Sludge Cake Pump No. 3 And Belt Filter Press No. 5 Installation

Mr. Hurst stated that this has been a design project that is now ready to be put out for bid. It will provide redundancy for both the cake pumps and the belt filter press so existing equipment can be maintained more readily. In response to a question from Mr. Kern concerning a project estimate, Mr. Hurst stated that he will get that information from the designer and provide it at the Board meeting.

It was the consensus of the Committee to recommend Board approval of the above contract advertisement. This item will be placed on the agenda for the June 21st Board meeting.

11. AUTHORIZATION TO PURCHASE:

- Purchase Of Repair Services To Pump No. 1 At Darby Creek Pump Station From A. C. Schultes Through The PA CO-STARS Contract #343-441 – Total Amount Not To Exceed \$23,688.00 (Capital Funds)
- Purchase Of Two (2) Dry Pit Submersible Pumps For The Viscose Village Pump Station Through The PA CO-STARS Contract #359-913 (Reiner Associates) – Total Amount Not To Exceed \$47,500.00 (Capital Funds)

Mr. DiSantis stated that these items are self-explanatory. Regarding the first item, there are three pumps at the Darby Creek Pump Station and pump #1 needed repair. The repair was done through a PA CO-STARS contract. Regarding the second item, this purchase was for the replacement of two dry pit submersible pumps at the Viscose Village Pump Station, also through a PA CO-STARS contract.

It was the consensus of the Committee to recommend Board approval of the above purchases. These items will be placed on the agenda for the June 21st Board meeting.

12. RESOLUTION NO. 2022-03 – RESOLUTION AUTHORIZING THE ACQUISITION OF EASEMENTS THROUGH FOUR (4) PROPERTIES SET FORTH ON EXHIBIT A THERETO BY CONDEMNATION OR DEED IN LIEU OF CONDEMNATION IN CONJUNCTION WITH THE WASTEWATER TUNNEL PROJECT: Mr. Hurst stated that we are seeking subterranean easements on private properties and this resolution is part of a process that is required to avoid the transfer tax per legal counsel. This resolution is for additional properties that were not previously identified.

Ms. Nichols requested that the offered amount and location of these properties be included in the resolution. Mr. Hurst responded that this is not yet at the stage of offering money to the property owner so there is no amount included in this resolution but he will find out and provide the location of the properties at the Board meeting. Also, he reiterated that no residents will be displaced due to the tunnel project.

It was the consensus of the Committee to recommend Board approval of the above resolution. This item will be placed on the agenda for the June 21st Board meeting.

13. ADVISOR APPOINTMENT:

- Engineering Advisor Services For The Third Quarter 2022 – Weston Solutions, Inc. – Total Amount Not To Exceed \$2,500.00 Per Quarter

It was the consensus of the Committee to recommend Board approval of the above Advisor Appointment. This item will be placed on the agenda for the June 21st Board meeting.

Prior to adjournment, Mr. Hurst stated that he had an addition to his report summary. He noted that last month, the Board approved a temporary carbon scrubber unit and that the unit is now on site due to the fact that Mike DiSantis was able to coordinate with PADEP to confirm that we had a permit pathway identified to get it on site without any permit issues. The unit is in the process of being hooked up and it is expected to be online by July 4th. He thanked the Board for approving that last month.

ADJOURNMENT: It was moved by Mr. Knapp, seconded by Mr. Nagle, and unanimously carried to adjourn the regular meeting at 4:00 p.m.