

MINUTES
OPERATIONS & ENGINEERING COMMITTEE MEETING
AUGUST 9, 2022 (VIRTUAL)

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

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

The following were present: Mike Ewall and S. Vinci. 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: Mr. Mullen stated that there were no bid openings at this time.

4. MONTHLY REPORT – DIRECTOR OF OPERATIONS & MAINTENANCE: Mr. DiSantis highlighted certain items in the written report. Mr. DiSantis stated that there were no permit violations at the WRTP or at any of the remote facilities. He mentioned that flows were about 10% lower than the year-to-date due to the month being a very dry month. Regarding process, it was a very good month with very low cBOD and TSS numbers. Concerning solids handling, there was a significant amount of maintenance performed by staff and the outside incinerator contractor that required incinerator downtime resulting in the low dry tonnage output for the month as compared to the year-to-date. During the downtime, forty-two loads were hauled to compost. Regarding flows, Mr. DiSantis stated that the plant received 98.3% of the flow from the Central Delaware Pump Station during the month also because of very little rain. There were four reportable incidents during the month. Two were for emissions and two were for SSOs. The two SSOs were both due to a rain event when heavy rain fell in a short period of time. One occurred at the Norwood's Martin Lane Pump Station and the other was at a manhole near the Tilghman Street CSO. Regarding the emissions incidents, both occurred on the #2 incinerator system. One was a poppet valve shaft failure causing it to snap. The other incident was caused by corroded wires on the center shaft drive resulting in a stack opening. Both issues were corrected promptly.

Under Maintenance, Mr. DiSantis reported that there were no system failures during the month. Central Maintenance work during the month was 58% planned and predictive and 42% corrective, which is also the year-to-date average. Sewer Maintenance continued with a heavy amount of time being spent on routine line cleaning and televising. We are required to clean 150,000 feet per year and good progress is being made. Regarding Trucked Waste, he stated that it was a very slow month, mostly due to lack of rain. We received a little over 16 million gallons.

Mr. Kern commented on the addition of the Customer Complaint Resolution report to Mr. DiSantis' written report. Mr. Kern noted that there were twenty-five complaints in July and that for over a third of them, the sewer maintenance crews helped resolve the issue. Mr. DiSantis stated that the purpose of that report is to give the Board more

information regarding what we do for customers by trying to save them the cost of hiring a plumber. He also stated that the crews have always routinely performed a courtesy plunge. If that doesn't resolve the issue, then the customer has to address the problem. Mr. DiSantis thanked his staff for putting the data together so it could be included in the monthly report. Mr. Kern thanked him for sharing this information with the Board. Mr. DiSantis had no additional comments to the written report. The Committee had no other comments or questions regarding the written report.

5. MONTHLY REPORT – DIRECTOR OF ENGINEERING: Mr. Hurst highlighted certain items in the written report. Regarding the Sewer Maintenance contract, he stated that the contractor, A. J. Jurich, installed four new replacement pumps at the Chester Ridley Creek Pump Station and all are functioning very well. Concerning the Incinerator Maintenance project, Mr. Hurst reported that quite a bit of maintenance work was performed and that the current contract is in close-out but will be replaced with the new contract as noted later on the written report. Regarding the clarifier construction project, much progress has been made pouring concrete and running pipes. Regarding the CSO Long Term Control Plan Update, Mr. Hurst stated that there have been additional discussions with the EPA and on August 1st, they provided some comments. The comments are of the nature that we can accept them so we are optimistic that would lead to approval of the Long Term Control Plan Update. Mr. Hurst stated that the ESA tunnel program continues to make good progress all around on the design of the tunnel, the pump station and the plant. He also noted that there has been additional communication with some of the concerned citizens groups and recently had a very positive meeting with the Clean Air Council. In addition, Mr. Hurst mentioned that there is an easement on the agenda. He will provide more detail on that later. The Pretreatment section of the report lists the typical amount of lab work completed. A draft of the Odor Control Master Plan was received last week. It has been able to quantify the notable improvement observed with the addition of the carbon unit that was added. A 43% odor reduction by mass was captured from the previous conditions before the carbon unit was installed. The Master Plan also lays out a number of other additional options that will be discussed and evaluated.

Regarding the Third Cake Pump Project mentioned, Mr. Kern asked if a conveyor belt would be used to replace all three pumps or just the third cake pump. Mr. Hurst responded that it could potentially be on all three but that is being evaluated since there may be technology available that would offer a better solution. Mr. Kern also inquired about the Pyrolysis Study. Mr. Hurst responded that we have received proposals from both vendors, CHAR and Anaergia Technologies. Material Matters is currently drafting a report which is expected in about three to four weeks. Mr. Hurst had no additional comments to the written report. The Committee had no other comments or 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. Observations from June are included the monthly report which was based on work that was done in July. Regarding the Metering Program, he stated that the program continues to operate as anticipated. All other listed projects remain the

same. Mr. Kern asked how many flow meters are being monitored. Mr. Lehman responded that there are about 122 flow meters located throughout the county which provide more accurate flow data to the municipalities. He also stated that he appreciates the support received for this project. Mr. Lehman had no additional comments to the written report. The Committee had no other comments or questions regarding the written report.

7. CHANGE ORDERS: Mr. Mullen stated that there were no Contract Change Orders at this time.

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. ERM (Environmental Resources Management) – Proposal Dated August 4, 2022 – For Professional Real Estate Support Services For The ESA Tunnel Supplemental Proposal II For Additional Scope Of Work – Total Additional Amount Not To Exceed \$9,940.00 (Capital Funds)

Mr. Hurst stated that this proposal is for continued work with ERM to secure easements and rights-of-way for the tunnel, and for additional work related to some other parcels.

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 August 16th Board meeting.

- B. Chavond-Barry Engineering – Proposal Dated August 2, 2022 – For Professional Engineering Services To Provide Additional Scrubber Service (Data Review, Troubleshooting, Operations Support, Prepare Training Materials And Training) – Total Additional Amount Not To Exceed \$20,000.00 (Operating Funds)

Mr. Hurst stated that Chavond-Barry is our combustion engineer and this proposal includes some data review and troubleshooting various pieces of the system including engaging outside experts specifically to increase performance level to reduce the frequency of the wash-out of the downstream unit but won't affect the overall emissions.

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 August 16th Board meeting.

- C. Trinity Consultants – Proposal Dated August 5, 2022 – For Professional Services To Provide Toxchem And Ammonia Emission Factor Evaluation – Total Amount Not To Exceed \$10,900.00 (Operating Funds)

Mr. Hurst stated that Trinity supports our air permitting work. This proposal is focused on reconfiguring the way we calculate our VOC emissions out of the process tanks and to convert our current in-house program called Water9, which is no longer EPA supported, to the state-approved Toxchem. This will assist us in refining our ammonia emissions factor which is one the variables included in our monthly fee.

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 August 16th Board meeting.

- D. Cavallo Environmental Services, LLC – Proposal Dated July 7, 2022 – For Professional Services To Prepare The 2022 Pollutant Minimization Plan (PMP) Annual Report – Total Amount Not To Exceed \$15,000.00 (Operating Funds)

Mr. Hurst stated that this report is required of dischargers by the Delaware River Basin Commission to track possible sources of PCBs.

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 August 16th Board meeting.

- E. Trinity Consultants – Proposal Dated July 30, 2022 – For Professional Services To Prepare DELCORA’s Title V Permit Renewal Application And To Provide Post Application Support – Total Amount Not To Exceed \$19,500.00 (Operating Funds)

Mr. Hurst stated that the current Title V Permit will expire in December 2023 and we need to start the renewal process. We will not be requesting any increase in incineration and this has no bearing on the ESA program.

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 August 16th Board meeting.

10. AUTHORIZATION TO ADVERTISE FOR BIDS: Mr. Mullen stated that there were no Authorizations to Advertise for Bids at this time.

11. APPROVAL OF THE FOLLOWING EASEMENT AGREEMENT AND PAYMENT FOR THE WASTEWATER TUNNEL PROJECT IN ACCORDANCE WITH THE DELCORA BOARD OF DIRECTORS RESOLUTION 2020-34:

<u>Parcel No.</u>	<u>Owner</u>	<u>Type of Easement</u>	<u>Cost</u>
49-11-01977-00	Cathy Ann Morse 128 Thurlow Street, Chester	Subterranean	\$1900.00

Ms. Nichols requested that the specific addresses for all easements be removed from future agendas and minutes. Municipality only will be listed.

It was the consensus of the Committee to recommend Board approval of the above easement agreement and payment. This item will be placed on the agenda for the August 16th Board meeting.

ADJOURNMENT: It was moved by Mr. Nagle, seconded by Ms. Nichols, and unanimously carried to adjourn the regular meeting at 3:48 p.m.