

MINUTES
OPERATIONS & ENGINEERING COMMITTEE MEETING
OCTOBER 8, 2024 (VIRTUAL)

Attendants: Messrs. Cartafalsa, Cherico, DiSantis, S. Garner, Hurst, Kern, Lehman, Martin, Mullen, Nagle, Shuster, Willert, and Mesdames Amadio, Billings, Bonnett, Caulk, B. Garner, and Keffer.

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

The following were present for the bid opening: Justin Merry of Philips Brothers Electrical and Tim McLaverty of Hobbs & Company.

The following were present for the meeting: Mike Ewall, Steve Vinci and B. Preston Lyles. 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. TEW-2405-C – Furnishing Equipment, Labor And Supervision For Electrical Maintenance, Repairs & Other Related Projects

Mr. Hurst stated that there were two bids received.

	<u>1 YEAR TERM BID AMOUNT</u>	<u>2 YEAR TERM BID AMOUNT</u>
Philips Brothers Electrical Contractors	\$ 657,200.00	\$1,348,100.00
Hobbs & Company, Inc.	\$ 820,300.00	\$1,653,400.00

Mr. Mullen stated that these bids will be reviewed by Staff and our Solicitor's office, and consideration of award will be placed on the agenda for the October 15th Board meeting.

4. MONTHLY REPORT – DIRECTOR OF OPERATIONS & MAINTENANCE: Mr. DiSantis highlighted certain items in the written report. Mr. DiSantis stated that there were no NPDES violations at the WRTP or at the remote facilities during the month of September. He noted that there was one reportable incident during the month. That was an emissions incident that was caused by the failure of a poppet valve. The burnout process was started, which is the protocol for this type of failure, but we were not able to finish the one hour burnout before the poppet failed and that caused the emissions incident. The emissions were from the RTO and not from the incinerator which significantly reduced the emissions. Mr. DiSantis stated that the continued dry weather in September resulted in the lowest average monthly flow he has ever seen. It dropped over 10% from August to September to 26.6 million gallons per day. He noted that both incinerators were in service 75% of the month and no sludge cake had to be hauled to

compost. Regarding process, effluent quality for the month was very good and in full nitrification with no significant process issues. Mr. DiSantis also reported that there were no system failures during the month. Work orders during the month were 61% corrective versus 39% planned and predicted, mainly due to the Eastern Force Main repair project, as the large amount of hours spent on that repair impacted the ratio. For the year, work orders were 52% corrective and 48% planned and predictive. Regarding Sewer Maintenance, Mr. DiSantis stated that about a quarter of the time was spent on routine line cleaning and televising. The use of artificial intelligence to evaluate the videos and manhole surveys has been going extremely well with very good quality data and the number of evaluations is more than what can be done by personnel. Regarding trucked waste, Mr. DiSantis reported that there were 15.84 million gallons received and we do expect to meet the budgeted target. 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. Under the Sewer Maintenance contract, the force main repair work at Rt. 420 is almost completed. The final bill from Garrison, the line stop company that went through Municipal Maintenance, was received, and we will be submitting the complete tally of the cost to the insurance company. That amount is approximately \$575,000 but does not include the DELCORA labor piece and we are in discussions with them about that part of it. Mr. Hurst noted that we anticipate getting back to the Beach Street force main project now that there was an item on the Lower Chichester Council agenda over the past month that they have approved which paves the way for us to return to that project. Regarding the Townsend Street project, he noted that we will begin construction and get up to where the PECO conflict starts. He stated there is a contract change order and close out on the agenda. Regarding the Municipal I&I program, he stated that a great deal of work was performed as detailed in the report. Under Design, Mr. Hurst reported that we are continuing to work with the City of Chester regarding the planning of the 2nd and Dock Street site. There was a meeting onsite last week to discuss where the park land would be and where the pump station would be located. We are getting close to a mutual understanding of what is best for the City and for DELCORA with respect to that land. Under Regulatory Filings, Mr. Hurst stated that there was a major filing to the DRBC for the renewal of our docket that expired. It had been under shield but since we eliminated the outfall project, we had to resubmit that docket request and that has been submitted. Mr. Hurst had no additional comments to the written report. The Committee had no 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. Regarding the SWMM Modeling in September, he noted the comment about the rain gauge at the plant and stated that Weston is working with the staff to discuss what is the best way to make sure we measure correct precipitation across the city that most accurately goes into the model so the model best represents what is actually happening. Mr. Lehman stated that the Metering Program is up-to-date and that Catania Engineering had reached out for information for their authorities as

they begin their budget planning for next year. Mr. Lehman had no additional comments to the written report. The Committee had no questions regarding the written report.

7. CHANGE ORDERS:

- Contract No. SW-2104-C – SWDCMA Sewer Inflow And Infiltration Removal – Change Order No. 3 – Decrease In Contract Amount Of \$19,540.00 And Increase In Contract Time Of 518 Days For Final Close Out (Standard Pipe Services)

It was the consensus of the Committee to recommend Board approval of the above change order. This item will be placed on the agenda for the October 15th Board meeting.

8. REQUEST FOR APPROVAL OF CONTRACT CLOSE-OUT & FINAL PAYMENT:

- Contract No. SW-2104-C – SWDCMA Sewer Inflow And Infiltration Removal (Standard Pipe Services)

It was the consensus of the Committee to recommend Board approval of the above Contract Close Out and Final Payment. This item will be placed on the agenda for the October 15th Board meeting.

9. AUTHORIZATION FOR PROFESSIONAL SERVICES:

- A. Material Matters, Inc. – Proposal Dated October 4, 2024 – For Professional Engineering Services To Provide Solids Management Alternatives Evaluation – Total Amount Not To Exceed \$150,000.00 (Capital Funds)

Mr. Hurst stated that this proposal provides for some forward planning for solids management. We are looking at four options and getting them all on the same cost basis for direct comparison. One of the four is a newer technology so he will keep the Board informed of how this study progresses.

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 October 15th Board meeting.

- B. Castle Valley Consultants – Proposal Dated September 17, 2024 – For Professional Engineering Services For Sludge Removal At The Riverside Wastewater Treatment Plant In Pocopson Township – Total Amount Not To Exceed \$24,918.00 (Operating Funds)

Mr. DiSantis stated that this plant went into service in 2007 and it is time to make plans to dredge the treatment lagoon. Castle Valley designed this system so we have engaged them to write up the specifications for a sludge removal contract. An authorization to advertise will be requested from the Board and then the contract will be put out for bid.

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 October 15th Board meeting.

- C. Schaeffler Conditioning Monitoring Solutions And Services – Proposal Dated January 8, 2024 – For Professional Services To Provide Monthly Expert Analysis Of DELCORA’s Vibration Equipment For Twelve Months – Total Amount Not To Exceed \$21,600.00 (Operating Funds)

Mr. DiSantis stated that this is a continuation of the service that we use. We are changing companies but this one includes up to 200 sensors. We don’t have that many right now. This is for an evaluation of the equipment we have under a vibration monitoring system that provides early indication of issues before they become major problems.

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 October 15th Board meeting.

- D. Maintain-X Work Order Management System – Proposal Dated June 11, 2024 – For Professional Services To Perform The Migration Of All Hexagon Information To Maintain-X System And 100 User Licenses – Total One Year Cost Including A One-Time Implementation Cost (Sole Source Provider) – Total Amount Not To Exceed \$116,950.00 (Operating Funds)

Mr. DiSantis stated that we currently use a system called Hexagon and we used Hexagon because they had bought out the companies we used before. We are not pleased with their system so we have been researching other options. We evaluated the Maintain-X system which allows for 100 users to use the system. The current information in our asset management/work order management system will be migrated to Maintain-X.

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 October 15th Board meeting.

- E. ANDRIS Consulting LLC – Proposal Dated October 4, 2024 – For Professional Services For Continued Assistance With Long Term Control Plan Program Management, Nine Minimum Controls, And The NPDES Permit – Total Amount Not To Exceed \$127,500.00 (Capital Funds)

Mr. Hurst stated that this proposal is for ongoing work to continue with their assistance in getting a Long Term Control Plan developed and 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 October 15th Board meeting.

- F. Weston Solutions, Inc. – Proposal Dated October 7, 2024 – For Professional Engineering Services For Equivalent Dwelling Unit (EDU) Re-Evaluation, Sewer Shed Delineation Revisions, And Future Special Study Metering Recommendations For Unmetered Areas To Support Both The Annual Delaware County Metering Program And The Comprehensive Inflow And Infiltration Control Program – Total Amount Not To Exceed \$49,865.00 (Operating Funds)

Mr. Hurst stated that this proposal is to look at the metered areas that we have and the unmetered areas with respect to the Eastern Authorities. It's been about twenty years since we have looked very carefully at which areas are metered and which areas are unmetered. Using GIS, we will confirm how many EDUs are in each meter shed and if each should be metered or unmetered, and re-assess the work that was done in 2005.

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 October 15th Board meeting.

10. AUTHORIZATION TO ADVERTISE FOR BIDS:

- Contract No. TC-2407-C – PS-6 Odor Control Modifications

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 October 15th Board meeting.

12. AUTHORIZATION TO PURCHASE:

- Municipal Maintenance Company – Quote Dated September 9, 2024 – For The Rebuild Of Flygt Pump At The Darby Creek Pump Station (Pump 4) Through PA COSTARS Contract #016-152 (Vendor #267572) – Total Amount Not To Exceed \$133,400.00 (Capital Funds)

Mr. DiSantis stated that there are 700 HP pumps at the Darby Creek Pump Station and one of them needs to either be replaced or rebuilt. After reviewing the options, it was determined that the better value is to rebuild the pump. The timeline to rebuild is significantly shorter than it is to replace it. The rebuild should take about six months. Ordering and installing a new pump would take about one year.

It was the consensus of the Committee to recommend Board approval of the above purchase. This item will be placed on the agenda for the October 15th Board meeting.

- NEFCO Systems – Quote Dated October 3, 2024 – For The Purchase Of FRP Weir & Scum Baffle Panels And FRP Density Current Baffle For Upgrades To The T-27 Clarifier Through PA COSTARS Contract #016-E22-257 – Total Amount Not To Exceed \$118,000.00 (Capital Funds)

Mr. Hurst stated that this purchase and the WesTech purchase are both precursors to the UV project previously discussed with the Board. He explained that we need to get the older T-27 clarifier to match the T-28 so it performs the same way with respect to solids removal. There is a long lead time to purchase the equipment. Then, we will draft a package to award to a construction contractor to modify T-27 and also install this equipment to keep the UV project moving forward.

It was the consensus of the Committee to recommend Board approval of the above purchase. This item will be placed on the agenda for the October 15th Board meeting.

- WesTech Engineering – Proposal #2460321 Dated October 3, 2024 – For The Purchase Of One Clarifier Mechanism, Model CLC17C For The T-27 Clarifier Through PA COSTARS Contract #016-E22-257 – Total Amount Not To Exceed \$1,799,000.00 (Capital Funds)

See NEFCO purchase item above for explanation.

It was the consensus of the Committee to recommend Board approval of the above purchase. This item will be placed on the agenda for the October 15th Board meeting.

- Fred Beans – Quote Dated October 4, 2024 – For The Purchase Of One 2024 Ford F-150 Truck Through PA COSTARS Contract #025-E22-413 – Total Amount Not To Exceed \$58,847.94 (Capital Funds)

It was the consensus of the Committee to recommend Board approval of the above purchase. This item will be placed on the agenda for the October 15th Board meeting.

ADJOURNMENT: It was moved by Ms. Billings, seconded by Mr. Martin, and unanimously carried to adjourn the regular meeting at 3:53 p.m.