

MINUTES
OPERATIONS & ENGINEERING COMMITTEE MEETING
JULY 11, 2023

Attendants: Messrs. Cherico, DiSantis, Hurst, Kern, Knapp, Lehman, Moss, Mullen, Nagle, Willert, and Mesdames Amadio, Billings, Bonnett, Caulk, 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: Steve Vinci and Traci (no last name identified). 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. He stated that there was one NPDES violation at the WRTP that occurred on June 27th when we exceeded the instantaneous maximum fecal coliform limit. That day, the total flow for the plant was 80.89 million gallons which is the fourth highest flow ever recorded at DELCORA for a single day. Hydraulically, we were not able to put in enough chlorine to reduce the fecal coliform. During the last couple of rain events, we made adjustments to the automatic chlorine programming and it seems to have worked. He also stated that plant process ran very well during the month with very good numbers for cBOD and TSS, and we also nitrified throughout the entire month with very low sub 2 milligram per liter ammonia for the plant which is very good. The plant was not designed to nitrify or treat ammonia to that level and since we were able to do that, it means the plant is running excellently. Also, Mr. DiSantis stated that solids handling had a really good month with low costs, low gas usage, low polymer usage, and no cake hauled to compost.

Regarding reportable incidents, Mr. DiSantis stated that there were seven; six of them were wet weather sanitary sewer overflows and one for emissions. The SSOs occurred at the Southern Delaware County Authority's Beech Street PS, the Rose Valley PS, the Muckinipates PS, the Taylor Arboretum, and two at Norwood's Martin Lane PS. The one emissions incident was due to a failed thermocouple. It failed automatically to a high temperature that results in a safety factor opening. After meeting internally, it was decided to modify the programming so in similar situations, it would default to the other thermocouple just a few feet away and prevent going into failure mode with an automatic opening of the short stack, and keeps us within the National Fire Protection Association limits.

Mr. DiSantis reported that both maintenance departments had an excellent month with a work order ratio of 62% planned and predicted versus 38% corrective, which is higher than the 57% and 43% year-to-date. During the month, Sewer Maintenance

spent 26% manhours on routine line cleaning and televising. He noted that we have already exceeded the yearly amount of footage required by the Consent Decree. Reporting on Trucked Waste, he stated that it was a bit slower in June with 18.18 million gallons received but revenue is still expected to meet budget. 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 Sewer Maintenance contract, he stated that the regulator upgrades have been done. The regulators help dictate where the flow goes during different flow conditions. These modifications are part of our draft Long Term Control Plan and with the way the permit cycle worked, some of these requirements were incorporated into our current NPDES Permit. We are ahead of schedule in implementing those changes and we are using the Sewer Maintenance contract to get this work done. The modifications are now all complete in accordance with the permit. Also, he stated that some work was done at the Central Delaware County Pump Station on a coupling that was rusted through and on another pipe failure. There is a Corrosion Probe proposal on the agenda that he will address later. Mr. Hurst noted that the construction project for T-28 and PS-5 is close to completion with a bit of work left in the B-3 Building for some polymer feed system upgrades. That work is nearing completion and will go online next month. Another major piece of work is the bypass line being put on the Chester Ridley Creek force main as it comes into the plant. Regarding the CSO #5 Partial Separation project, Mr. Hurst stated that this project continues to be on hold because of waiting on PECO to get their duct banks relocated.

Under Design, Mr. Hurst reported that the Tilghman Street Diversion Design project continues to proceed with Catania Engineering. A design meeting is scheduled for tomorrow. Under the D'Huy On-Call project, they have begun to assemble the documents that are needed to put in the first phase of odor control upgrades at PS-6 and to submit these documents to DEP to get the permit in place to bring that on site. He also stated that there have been a number of permit applications submitted to various entities for the Outfall Project. Lastly, Mr. Hurst noted that there have been no new changes since his last report on both the Long Term Control Plan and the ESA Tunnel project. 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, he reported that May was exceptionally dry with barely 2/10 of an inch of rain but June may make up for that. The modeler is making the edits that Engineering has requested. He also stated that the Metering Program continues as usual. Mr. Lehman had no additional comments to the written report. The Committee had no 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:

- Contract No. SEW-2003-CO – Paving Restoration Services (A. F. Damon, Inc.)

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 July 18th Board meeting.

9. AUTHORIZATION FOR PROFESSIONAL SERVICES:

- A. Corrosion Probe, Inc. – Proposal Dated July 7, 2023 – For Professional Services For Continued On-Call Services For Corrosion And Materials Engineering, Testing, And Consulting Services Including A Special Focus On The Small And Large Pipes Within The Four Large Remote Pump Stations – Total Additional Amount Not To Exceed \$125,000.00 (Capital Funds)

Mr. Hurst stated that Corrosion Probe has been providing corrosion analysis for us for a few years and they have done a very good job. This particular proposal is larger in scope as it also includes an analysis of the small diameter piping and large piping at the four large remote pump stations. He noted that several weeks ago, there was a leak in one of the small diameter pipes that nearly caused the pump station to go down. That particular pipe supplies oil to part of the control system's hydraulically controlled valve. He stated that all of these stations had planned upgrades anyway as a result of the tunnel program. It was decided to proceed with some of this pipe work in advance. After they complete their analysis of the pipes, a contract will be put in place to replace a number of these pipes. The first phase would include the smaller pipes and may be placed on the agenda next month. Then, later, another phase for replacement of the larger pipes would be done.

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 July 18th Board meeting.

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

11. RESOLUTION NO. 2023-03 – AUTHORIZING THE DISPOSITION OF PURCHASE ORDERS DATED 1982 THROUGH 1996: Mr. DiSantis stated that these are older records that we are not required to keep and can be disposed of. Mr. Hurst added that there will be some older Engineering files included in this resolution as clean-up of the Engineering files continues.

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 July 18th Board meeting.

ADJOURNMENT: It was moved by Ms. Billings, seconded by Ms. Nichols, and unanimously carried to adjourn the regular meeting at 3:45 p.m.