

MINUTES
OPERATIONS & ENGINEERING COMMITTEE MEETING
DECEMBER 13, 2022 (VIRTUAL)

Attendants: Messrs. Cherico, DiSantis, Garner, 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.

Mr. Matt Mascaro of J. P. Mascaro & Sons and Mr. Dan Del Bonifro of J&K Trash Removal were present for the bid opening. Also present were Ms. Kearni Warren, S. Vinci, and Mike Ewall. 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. P2022-10 – Trash Removal/Recycle/Disposal & Grit/Screenings Relocation; Removal, Hauling & Disposal At Approved Landfill

Ms. Caulk stated that there were two bids received

	<u>TOTAL BID AMOUNT</u>
J & K Trash Removal	\$ 600,000.00
Solid Waste Services dba J. P Mascaro & Sons	\$1,002,840.00

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 December 20th Board meeting.

4. BID RESULTS RECEIVED ELECTRONICALLY THROUGH THE PENNBID PROGRAM ON DECEMBER 13, 2022:

- Contract No. P2022-08 – Liquid Chlorine In One Ton Cylinder

Ms. Caulk stated that there were two bids received. She read the total amounts of the following bids received: Kuehne Chemical Company with a bid amount of \$747,600.00 and JCI Jones Chemicals, Inc. with a bid amount of \$720,000.00 and The apparent low bidder was JCI Jones Chemical, Inc. with a bid amount of \$720,000.00.

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 December 20th Board meeting.

- Contract No. P2022-09 – Liquid Caustic Soda

Ms. Caulk stated that there were two bids received. She read the total amounts of the following bids received: Kuehne Chemical Company with a bid amount of \$154,246.00 and JCI Jones Chemicals, Inc. with a bid amount of \$143,750.00. The apparent low bidder was JCI Jones Chemicals, Inc. with a bid amount of \$143,750.00.

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 December 20th Board meeting.

5. MONTHLY REPORT – DIRECTOR OF OPERATIONS & MAINTENANCE: Mr. DiSantis highlighted certain items in the written report. He stated that there were no violations at the WRTP or at the remote facilities during the month of November. There were four reportable incidents to PADEP during the month. One was for a sanitary sewer overflow (SSO) and three were for emissions. The SSO occurred when a contractor, not working for us, hit one of our lines. It was significant in that we had to do bypass pumping requiring a pump and haul. Regarding the emissions incidents, two were caused by the intermittent power issues that we continue to have with PECO and we are working on a solution to that. The third incident was caused by a failure of a PLC card and two relays due to the atmosphere conditions in that building. We continue to fine tune the air handling system that was installed. Regarding overall operations at the plant, while we were well within permit, the performance of the process was not as good as in October. There's been a continuation for several months when only half of the primary clarifiers are available due to construction. This negatively impacts the total suspended solids reduction over the primaries. The cold weather also adversely affects the microscopic organisms in the biomass.

Regarding solids handling, Mr. DiSantis stated that there continues to be a great deal of maintenance performed, some are end of the year issues and also preparation for stack testing which is scheduled for the beginning of February. He reported that both incinerators only operated 76% of the time and there were seventeen loads hauled to compost. Mr. DiSantis stated that he had noted in his report last month that there were issues with the natural gas reporting. The issue was a technical issue within our data historian and that is being corrected so the current month reflects the accurate numbers including what we're using in the RTO which isn't to burn the sludge. It is the final step of the pollution control technology where the incinerator operates at about 1,550 degrees so we use more natural gas than we have in the past because of changes we made in that operation. Continuing, Mr. DiSantis stated that Sewer and Central Maintenance continue to be very busy. As he had mentioned before, on September 6th there was a flooding incident at the Chester Pump Station when a pipe failed. The pump station was quickly operational within thirty-six hours. He noted that we just received the insurance check for approximately \$144,000. Our total expense internally and to the outside contractors was about \$231,000 to resolve the problem. Regarding the Trucked Waste business, he noted that it was an average month and is still expected to be on budget. Mr. DiSantis had no additional comments to the written report.

Mr. Kern asked if we were notified through the PA One-Call system that the line was struck by the contractor and if the PUC was involved. Mr. DiSantis responded that the line was marked but the contractor hit it anyway and neither the PA One-Call nor the PUC contacted him. General discussion followed concerning the new PUC rules and the fines imposed by them for incidents such as this. Mr. DiSantis stated that the priority is always fixing the problem then determining who was responsible and seeking reimbursement if necessary. Since these kinds of emergencies are handled by the engineering project contractor, he will follow up with Mr. Hurst on that and report back to the Board. The Committee had no other questions regarding the written report.

6. MONTHLY REPORT – DIRECTOR OF ENGINEERING: Mr. Hurst highlighted certain items in the written report. Under Sewer Maintenance contract, A. J. Jurich performed the emergency repair of the force main in Marcus Hook that the outside contractor damaged. Regarding the Incinerator Maintenance contract, he stated that IFCO has been performing preventative maintenance on the incinerators such as replacing the older valves on the main stacks so that they function and seal correctly to keep the stacks closed. Mr. Hurst reported that the 2020 WRPT Plant Upgrades project is ready to be closed out and the final payment application was submitted this month. Concerning the T-28 Construction project, he stated that the clarifier equipment is being installed within the concrete tank. The concrete tank passed a water tightness test and there is a lot of really complicated yard piping underway now to tie the clarifier into the rest of the system. Mr. Hurst reported that the Long Term Control Plan (LTCP) continues to make its way through the approval process. DELCORA met in person with the EPA on September 21st and there was a very good discussion about some of their questions and concerns. We continue to get guidance from them on what the next steps will be. They had submitted three minor comments and they asked us to address those and submit a revised document to them. We are on schedule to do that this coming week and we are optimistic that some sort of approval letter will then be issued on the LTCP. This is the project that includes the tunnel that has all of the Chester Combined Sewer Outfalls routed to the tunnel as the ultimate solution for that LTCP. Regarding the CSO diversion into the western interceptor, he reported that survey and additional design work is being done. He also noted that the CSO #5 Partial Separation - Townsend Street project is now out for bid and will be opened in January. This is a several million dollar project for redirecting clean water that comes out of Memorial Park's combined sewer system and directing it straight to the Delaware River as it is a clean water stream. Continuing, Mr. Hurst reported that the tunnel design is complete and the biddable documents are finalized. There is a proposal on the agenda from Greeley and Hansen. They are the construction management firm that was hired to take this design and begin to engage construction contractors to get real (hard bid) construction pricing with the understanding that we still don't have all of the required permits. That may take several more months but we want to initiate the process of getting some of the pricing so when all the permits are received, we can move forward in a timely manner.

Regarding the Western Regional Treatment Plant design, Mr. Hurst stated that we are currently underway with the UV disinfection pilot previously approved by the Board.

That system has been installed for several weeks and will continue through the second week of January. The pilot test has produced interesting data and some unusual results as well. It appears that UV is a reasonable solution for disinfection so this was a very effective use of the pilot test. Mr. Hurst also reported that permitting continues through various agencies for the Eastern Service Area program and that there were a few new permits issued through the pretreatment program. Regarding the regulatory filings, there was some discussion around the tunnel and the joint permit application, and the progress that was made there. He also stated that there was a large submission recently sent to the DRBC in response to the proposed tighter ammonia regulations that the DRBC wants to incorporate into our permit. The submission included a very long list of comments that addressed both the modeling and affordability aspects. Mr. Hurst had no additional comments to the written report. The Committee had no questions regarding the written report. The Committee had no questions regarding the written report.

7. 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 SWMM Modeling continues to proceed and there is a summary of the results from October included in the written report. October was a wet month and, as indicated on report summary, November was much drier. Mr. Lehman reported that the Metering Program continues to proceed. Sometimes, there are meters that are out for maintenance of the sewer lines which is standard procedure each month. Lastly, he mentioned that he has been working with Mike Cherico on a bond report that was requested. Mr. Lehman had no additional comments to the written report. The Committee had no questions regarding the written report.

8. CHANGE ORDERS:

- Contract No. SEW-2007-C – CCTV Inspection And Repair Project – Edgmont, Middletown And Rose Valley – Change Order No. 1 – Increase In Contract Time By 599 Days (Mobile Dredging & Video Pipe, Inc.)

Mr. Hurst stated that this addition of time reflects the slow-going nature of this work and the impact of the Covid pandemic in 2020 and 2021 plus some other issues. This contract is now in preparation of close-out.

It was the consensus of the Committee to recommend Board approval of the above contract change order. This item will be placed on the agenda for the December 20th Board meeting.

- Contract No. TCR-2103-0 – Plant And Facilities Services – Change Order No. 1 – Increase In Contract Amount Due To Emergency And Contracted Municipality Work To Include Materials And Labor – Increase In Contract Amount Of \$250,000.00 (MOR)

Mr. DiSantis stated that this contract covers many projects such as cleaning the tanks at the Turner's Mill plant in preparation of startup of their new process and closing out the Ridings treatment plant. The contract also covers unforeseen emergencies, such as an incident in Marcus Hook where we found lines that were connected to stormwater lines that were not shown on any maps or in any records when we took over the system. The lines needed to be disconnected. This contract will expire at the end of 2023.

It was the consensus of the Committee to recommend Board approval of the above contract change order. This item will be placed on the agenda for the December 20th Board meeting.

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

- Contract No. TC-2006-C – WRTP Plant Upgrades 2020 – Contract A – General (Allan Myers)
- Contract No. TC-2006-C – WRTP Plant Upgrades 2020 – Contract D – Electrical (Philips Brothers Electrical)
- Contract No. TEW-2008-C – Electrical Maintenance, Repairs & Other Construction Related Projects (Philips Brothers Electrical)

Mr. Hurst stated that the two parts of the 2020 Upgrades project are complete and the 2000 Electrical Maintenance contract has reached the end of the two-year contract period and needs to be closed out. The 2022 Electrical Maintenance contract has begun.

It was the consensus of the Committee to recommend Board approval of the above Contract Close Outs and Final Payments. These items will be placed on the agenda for the December 20th Board meeting.

10. AUTHORIZATION FOR PROFESSIONAL SERVICES:

- A. Gannett Fleming – Proposal Dated December 6, 2022 – For Professional Engineering Services For WRTP Multiport Diffuser Outfall Detailed Design (Amendment 1) – Total Additional Amount Not To Exceed \$719,538.00 (Capital Funds)

Mr. Hurst stated that this proposal is for the outfall design. This project is required by the DRBC to achieve greater dilution of our effluent into the river. It requires the construction of a 500 foot long pipe out into the river, stopping short of the shipping channel, and the last 100 feet of it has twelve different outlet points to distribute and dilute the effluent into the river more completely. This is a very complex project that requires additional hydraulic water quality modeling, additional structural design, and additional permitting plus other components.

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 December 20th Board meeting.

- B. RAFTELIS Financial Consultants, Inc. – Proposal Dated December 7, 2022 – For Professional Services To Provide Support Services For The DRBC Social And Economic Assessment Response Efforts And For Affordability Program Considerations – Total Amount Not To Exceed \$30,000.00 (Capital Funds)

Mr. Hurst stated this proposal relates to the DRBC's efforts to deal with the ammonia or DO issues in the river which may turn into an ammonia permit for DELCORA and consulting with them on different affordability and rate questions within Chester.

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 December 20th Board meeting.

- C. ANDRIS Consulting LLC – Proposal Dated December 7, 2022 – For Professional Services For Continued Assistance With Long Term Control Plan Program Management, Nine Minimum Controls, And The NPDES Permit (Term 1/2/2023 To 12/31/2024) – Total Amount Not To Exceed \$153,300.00 (Capital Funds)

Mr. Hurst stated that this proposal is for continued management of the Long Term Control Plan and for implementing projects that are now part of our NPDES permit.

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 December 20th Board meeting.

- D. ANDRIS Consulting LLC – Proposal Dated December 7, 2022 – For Professional Services For Continued Support For Program Management And Project Delivery Support Associated With Large Capital Programs Currently Planned (Term 1/2/2023 To 6/30/2023) – Total Amount Not To Exceed \$85,800.00 (Capital Funds)

Mr. Hurst stated that this proposal is for continued program management support of 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 December 20th Board meeting.

- E. Greeley And Hansen – Proposal Dated December 12, 2022 – For Professional Services For Various Preconstruction Activities For The Eastern Service Area Tunnel Program – Amount Based On The Rate Table In Their Competitive Proposal Including A Maximum Rate Of \$290/Hr. Plus Reasonable Expenses (Capital Funds)

Mr. Hurst stated that this proposal is for Greeley and Hansen to perform some pre-construction activities and to generate specific documents to be able to finalize the construction documents. It is difficult to quantify the hours required so, at this point, only an hourly rate is used. There will be a maximum in the actual contract amount. He noted

that the hourly rate is a byproduct of a competitive Request for Proposal process. Three firms were on the shortlist and proposals were received from two of those firms. Mr. Hurst will provide more details on the RFP process if requested. He also thanked those involved from the Board and Staff for their efforts in that process.

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 December 20th Board meeting.

- F. Corrosion Probe, Inc. – Proposal Dated December 9, 2022 – For Professional Services For Continued On-Call Services For Corrosion And Materials Engineering, Testing, And Consulting Services – Total Amount Not To Exceed \$18,000.00 (Capital Funds)

Mr. Hurst stated that Corrosion Probe provides many different on-call services that are focused on different types of corrosion within the plant. The facilities are maintained and upgraded as a result of corrosion, such as that caused by wastewater and gases inside the pipes and within the valve vaults.

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 December 20th Board meeting.

- G. GE Digital – Proposal Dated December 3, 2022 – For Professional Services For Global Care Renewal For The SCADA System For 2023 (GE Digital Is Now Sole Source Provider For Their Software) – Total Amount Not To Exceed \$20,378.91 (Operating Funds)

Mr. DiSantis stated that this proposal is for the annual support of the SCADA system software. GE Digital is the system we use.

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 December 20th Board meeting.

- H. Smith Instrument Company, Inc. – Proposal Dated December 12, 2022 – For Professional Services To Perform The 2023 Quarterly Flow Meter Calibrations/Verifications – Total Amount Not To Exceed \$30,000.00 (Operating Funds)

Mr. DiSantis stated that this proposal is for the 2023 quarterly calibrations of all flow and process meters throughout the entire DELCORA system, including all billing meters.

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 December 20th Board meeting.

Prior to addressing the next agenda item, Mr. Hurst requested that two proposals received too late for today's agenda be added to the Board agenda. Both are annual proposals from Weston Solutions. One is to compile and submit the 2022 Chapter 94

Reports to the PADEP and Philadelphia, and the other proposal is to continue the SWMM Modeling. Mr. Mullen stated that there were no objections and that these two proposals will be added to the December Board meeting agenda.

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

12. ADVISOR APPOINTMENT:

- Weston Solutions, Inc. – Proposal Dated November 22, 2022 – Engineering Advisor Services For The Year 2023 – For An Annual Retainer Fee Of \$10,000.00 (Operating Funds)

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 December 20th Board meeting.

13. AUTHORIZATION TO APPROVE THE CHESTER WATER AUTHORITY'S WATER MAIN RELOCATION AGREEMENT FOR THE TOWNSEND STREET SEWER SEPARATION PROJECT AND TO AUTHORIZE THE PAYMENT OF \$25,000.00 TO CWA FOR INSPECTION FEES: Mr. Hurst stated that this agreement is needed as it relates to the Townsend Street project that is now out for bid. There are a number of small diameter Chester Water Authority lines that are in the way and need to be relocated. DELCORA will be installing the pipe to relocate them and because they are Chester Water Authority assets, this authorization is for them to do the inspection of those assets as we relocate them.

It was the consensus of the Committee to recommend Board approval of the above agreement. This item will be placed on the agenda for the December 20th Board meeting.

14. AUTHORIZATION TO PURCHASE:

- Purchase Of Twenty-Five (25) PSA-AV Area Velocity Sensor w/RU-33 Connector And 30 Foot Cable For The Metering Program Through A Sole Source Provider (FLOWAV Quote No. DEL1122-01) – Total Amount Not To Exceed \$55,000.00 (Capital Funds)
- Purchase Of Fifteen (15) FL900 Logger w/AV9000 Sensor Analyzer Modules And Fifteen (15) Submerged Area Velocity Sensors For The Metering Program Through The PA CO-STARs Contract (Control 21 Systems Quote #22-[15] FLO LOGGERS) – Total Amount Not To Exceed \$95,951.16 (Capital Funds)
- Purchase Of Fifteen (15) 2150 Flow Modules With Battery Module, Area Velocity Sensors, 33 Foot Cable, 2 Battery Holders And Carrying Handle With Suspension Strap For The Metering Program Through The PA CO-STARs

Contract (HARTCO Environmental Quote #JDEOQ2924) – Total Amount Not To Exceed \$106,202.50 (Capital Funds)

Mr. DiSantis stated that these purchases are to replenish our inventory of meters used for our metering program so when a meter needs to be taken out of service for repair, it can be readily replaced. There are three types of meters used in our system. These flow meters are used for billing purposes.

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 December 20th Board meeting.

15. APPROVAL OF THE FOLLOWING EASEMENT AGREEMENT AND PAYMENT FOR THE WASTEWATER TUNNEL PROJECT IN ACCORDANCE WITH THE DELCORA BOARD OF DIRECTORS RESOLUTION 2022-01:

<u>Parcel No.</u>	<u>Owner</u>	<u>Type of Easement</u>	<u>Cost</u>
49-11-01081-00	PECO Energy Company	Subterranean	\$975.00
Property is located in the City of Chester near Booth and Front Streets			

Mr. Hurst stated that this parcel is within the City of Chester beside our plant as the tunnel leaves the plant site and goes to Rt. 291. It crosses under this parcel of land owned by PECO. This is for approval of payment to PECO for this subterranean easement.

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 December 20th Board meeting.

16. APPROVAL OF THE TEMPORARY EMERGENCY EXTENSION AGREEMENT WITH SOLID WASTE SERVICES, INC. D/B/A J. P. MASCARO & SONS CONCERNING DEWATERED SOLIDS TRANSPORTATION, STABILIZATION AND BENEFICIAL USE/DISPOSAL SERVICES FOR A TERM OF UP TO SIX MONTHS OR UNTIL CONTRACT NO. P2022-05 IS AWARDED TO A SUCCESSFUL BIDDER, WHICHEVER OCCURS SOONER:

Mr. Willert noted that this was discussed last month. In response to a question from Ms. Nichols, Mr. Willert stated that it was decided and approved last month to re-bid this contract but it is not out for re-bid yet. Mr. DiSantis added that changes to the contract documents were being made at the recommendation of the solicitor. Mr. DiSantis added that changes to the contract documents were being made at the recommendation of the solicitor. The changes will be incorporated into the new bid documents and the contract is expected to be out for bid in January.

In response to a question from Ms. Billings, Mr. DiSantis replied that the other bidder, Spectraserv, should be able to bid again on this contract when it is re-bid with the revised language. He added that the bidding document revisions were done for clarification purposes and not to prohibit any company from bidding on this contract.

Minutes
O & E Committee Meeting
December 13, 2022
page 10 of 10

ADJOURNMENT: It was moved by Ms. Billings, seconded by Mr. Nagle, and unanimously carried to adjourn the regular meeting at 4:10 p.m.