

Date: November 5, 2021 Subject: Engineering Committee Meeting
 Minutes **Thursday, November 4, 2021**
 To: Board of Directors From: Engineering Committee and
 Arthur G. Simonian, Executive Director

AGS

**Engineering Committee
November 4, 2021 Meeting Minutes**

The Engineering Committee met Thursday, November 4, 2021 at The District Offices at 245 Main Street, Cromwell, Connecticut.

Director Art Simonian called the meeting to order at 5:32PM. In addition to the Chairman John Dunham (arrived at 5:45PM), present were Committee Members – David Bauer, Don Naples, Bob Argazzi and Bonnie Anderson (remote) .Also, present were District Engineer – Michelle Ryan, Operations Manager – Mike Manfre, Incinerator Manager – Dave Stille, Ed Lynch (remote) and Cory Attra – Structural Engineer from DTC There was a quorum.

Following is a summary of the November 4th Engineering Meeting:

- 1) Proposal for Primary Heat Exchanger Plenum** - The Executive Director gave a status update on the Heat exchanger Plenum. The primary heat exchanger that failed was reported to the insurance company for a claim. There was most likely a breach or leakage from the refractory material to the inside of the steel plenum. A new plenum is recommended with the refractory material installed by our contractor. We are requesting approval to purchase materials from original manufacturer Arvos Schmidtsche Schack LLC., in the spring, and have a refractory contractor do the installation before summer of 2022. We may also replace the lower plenum at the same time. The cost is \$104,000.00 plus \$9,000.00 for delivery – cost not to exceed \$125,000.00 with contingency.

A motion was made by Mr. Argazzi, Mr. Bauer Seconded the motion. And the Committee Approved

MOTION: The Engineering Committee recommends approving the Primary Heat Exchanger Plenum purchase of materials from Arvos Schmidtsche Schack LLC. Proposal (not to exceed \$125,000.00 with contingency if necessary) and waiving the bidding process and refers this recommendation to the Board of Directors for their review and approval since this is in the best interest of the District.

- 2) DTC Fee Increase for Primary Tank Tunnel Project –**
 The District discussed the benefit of fulltime structural inspection coverage on site to oversee the project work due to the importance of the structural repairs. The fee increase is due to needing full-time inspection

work that will run until the end of November. Approval of up to \$29,000.00 including \$4,000.00 lump sum and \$25,000.00 inspection time.

A motion was made by Mr. Bauer, and Mr. Naples seconded. And the Committee Approved.

Motion: The Engineering Committee recommends approving the DTC Fee increase not to exceed an amount of \$29,000.00 for the Primary Tank Tunnel Project and refers this recommendation to the Board of Directors for their review and approval.

- 3) Primary Tank Tunnel Project** – Executive Director explains the Structural change order for additional scab slab. New scab slab has a price of \$145,195.40 for 160 square feet for a more permanent solution which is recommended. Another option would be a surface repair that is not recommended for \$12,900.00 with patching. The additional price for the scab slab is due to relocating duct work and insulation etc. Deteriorating steel in existing scab slab is also a factor in the decision.

Mr. Bauer moved; Mr. Naples Second and the Committee Approved.

Motion: The Engineering Committee recommends approving change order #2 for the Primary Tank Tunnel Project to Structural Preservation Systems, LLC in the amount of \$145,195.40, and refers this recommendation to the Board of Directors for their review and approval.

- 4) General Plant Structural Investigation-** The Executive Director discussed the proposed structural investigation and the proposal from DTC for structural design services and GPR survey. The proposal in the amount of \$12,000.00 fee includes plans and specs and does not require Board approval.
- 5) Fuel Cell Project** – The Executive Director looked at the latest proposal from the fuel cell company and the engineering committee, with input from District council, and decided that due to the language of the contract and structure of the entities, it was not worth the risk to the District.
- 6) Odor Control** – Responding to Al Waters 2nd Letter, we discovered that he has multiple manholes near his property, and 2 District meter connections to our trunk line. We ordered a new odor detection meter that will measure mercaptans to see if we can detect mercaptan odors. We are also going to conduct on-site odor nuisance tests and retain an odor

consultant to help us with the test and provide recommendation for improvements if necessary. Our odor control equipment is state-of-the-art designed by professionals in the field and generally function very well. Our hand-held odor monitoring equipment is of the latest technology available, and very accurate which normally reads 0 ppm for H₂S during odor complaints.

- 7) **NPDES Permit** – Draft permit needs to be updated due to changes and compliance issues. We have a pre-30 day comment period where topics need to be addressed about bypass and the language we want in the document. Staff will assemble a draft response spreadsheet and letter with the assistance of Council and District, for review by the committee no later than November 16, 2021.

8) Capital Items – None

9) Related Business and Staff Updates - None

Adjournment:

Mr. Naples moved, no second required and the committee approved unanimously to adjourn at 7:15 PM.