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| Date: | August 27, 2025 | Subject: | Engineering Committee Meeting Minutes Tuesday August 26, 2025 |
| To: | Board of Directors | From: | Engineering Committee and Arthur G. Simonian, Executive Director AGS |

**Engineering Committee**
**Tuesday, August 26, 2025**
**Meeting Minutes**

The Engineering Committee met Tuesday, August 26, 2025, at the District Offices, 245 Main Street, Cromwell, Connecticut.

Chairman, Mr. John Dunham called the meeting to order at 5:01 p.m. Present were, Committee Members – Bonnie Anderson, Phil Pessina, Don Naples, Liam Mitchell, and Nick Stevens. There was a quorum. Also, present from the Mattabassett District were Executive Director – Arthur Simonian, District Engineer – Michelle Ryan, Maintenance Manager-Andrew Purchia and Jose Alvarez from CDM Smith (remote).

The August 26, 2025 Engineering Committee Meeting was held to discuss:

**1) Odor Control Assessment Update:**

a. Rollup Door:

The rollup door was installed and the electrical work done by staff. Hawkeye was onsite today working on the controls for the doors. NIC will also be on site to finish work.

b. CDM Smith centrate pump station upgrade design:

Art explained the CDM Smith centrate pump design is complete and the equipment was order. The estimated arrival time is scheduled for late November and will be installed shortly after to replace existing unit.

c. Middletown Pump Station force main chemical dosing evaluation:

Art informed the committee since the installed HACH meter and been getting consistent readings. The data had been sent to Joe Fazzino and his staff at the City of Middletown and to Jose Alvarez from CDM Smith. Jose will make some recommendations.

d. $H_2S$ monitoring Headworks and Detritors:

Art explained a proposal for a pilot study using hydrogen peroxide injected into the manhole by the North Lagoon to see if that would have an impact on the sulfides. The committee asked CDM to this meeting to give a summary of what this chemical dosing pilot test would do and give an overview of the cost.

Jose explained the recommendation and gave details of the current situation and why this is recommended. Due to the level of sulfides from the headworks at the Mattabassett and due to the required retention time for oxides and to avoid the formation of sludge, it is recommended to go with peroxide.

Art also gave a little history and explained some work that was done to identify level of sulfides.

Jose explained the price and the approach proposed in the recommended pilot test. The longer-term proposal is $44,913 and shorter-term proposal is $14,975. If by going with the short-term proposal it is found that this pilot is successful. Nick Stevens asked a question about cost benefit and chemical storage area. For the permanent installation we will review where to install and store the chemical, if this pilot works, we can do the permanent installation next year.

John Dunham recommends the short-term to test out the effectiveness of this pilot for the $15k price.

e. Bioway Sump Repairs:

Nickerson will be coming back to heat trace piping and fix any leaks.

f. CDM Smith proposal for design of Dewatering building replacement of chemical odor treatment system:

Art said the work started and the engineers were on-site. Jose said the conceptual design was started. They began evaluating the different vendors. They are looking at safety measures, control panels, and related items. Art mentioned to review areas of the building with odors to make sure they are included in this unit's treatment.

g. Website Updates-Odor complaints pre-emptive surveys

Art explained the odor report on the website and the reports are being reviewed by the operations department. We only had a few reports.

2) **Incinerator Mercury Control System (GAC)- Update**

Art explained that the bypass value was replaced and that the stack test was done and we are waiting for the stack test results. Art mentioned that all other parameters other than Mercury do not need to re-test for (3) years in the future. Art explained that John and Ed met with CTDEEP and the CTDEEP said they would update the consent order. John mentioned that they will still investigate the consent order's civil penalty.

3) **Item #3 Replace one (1) sludge screw conveyor-**Review, discuss and recommend bid waiver

Andy explained the need for the replacement of one (1) screw conveyor. He explained the problem areas were found and repairs that need to be made. He explained to the vendor that has been in business for over 49 years. After this company completes this work, we will have all conveyors inspected and provide us budget quotes for the repairs. The shorter conveyor can be used when this one is being replaced.

**MOTION:** The Engineering Committee recommends to the Board of Directors to approve a bid waiver to utilize Troy Industrial Solutions of Ansonia, CT, for one (1) screw conveyor that feeds dewatered sludge to the incinerator. The price includes all labor, materials, and equipment for complete installation and operation of the screw feed system, in the amount not to exceed $101,000.00 including contingency if needed.

**Mr. Pessina moved, Mr. Stevens seconded, and the Committee approved unanimously.**

4) **Item #4 Incinerator Annual Shut-down and replacement of Primary Heat Exchange and Lower Plenum-**Review, discuss and recommend bid waiver for District Board approval.

Art explained the work and the contractors that completed this work in the past.

**MOTION:** The Engineering Committee recommends to the Board of Directors to approve a bid waiver to utilize Industrial Furnace Company of Rochester, NY, to perform the annual inspection and maintenance work, as well as the removal of existing and installation of both the primary heat

exchanger and lower plenum, in the amount not to exceed $339,000.00 including contingency if needed.

**Mr. Mitchell moved, Mr. Naples seconded, and the Committee approved unanimously.**

**5)** Other related business and staff updates

Electricity memo was sent regarding the recent savings from Eversource.

The Board packages will start being delivered by courier service.

**Adjournment**

Mr. Pessina moved, no second necessary; approved unanimously to adjourn at 6:15 pm.