

FINAL MINUTES
Waste-to-Energy Facility Monitoring Group
MEETING

February 11, 2026
Reworld Alexandria/Arlington Waste-to-Energy Facility – Eisenhower Avenue
9:00 a.m. – 10:00 a.m.
Virtual

The Facility Monitoring Group, City and County Staff, and HDR representatives present for the meeting included Adam Riedel, Morgan Routt, Alicia Saracina, Howard Lee, Shani Kruljac, Vijetha Huffman, Alaeedin Mohamed, Khalid Payenda, Dan Domato, Kyle Perrin, and Abby Fleming. Thomas DeMaio and Peter Mayer attended the meeting from Reworld. This FMG Meeting was held as a virtual meeting.

I. Comments on Agenda

No comments were added to the agenda. Kruljac motioned to approve the agenda. Routt seconded. All in favor of approval.

II. Approval of the Draft Minutes from the November 21, 2025, Facility Monitoring Group Meeting.

There were three changes to the draft minutes regarding the quantity of the leak, additional information on the feed chute replacement, and clarification on the gray water discussion with AlexRenew. With these changes, Kruljac motioned to approve the draft minutes. Routt seconded. All in favor of approval.

III. Requisitions for Payment

The requisitions for payment that were submitted for approval totaled \$10,910.04. The sole invoice was the invoice for HDR Engineering, Inc. for the period November 7, 2025, to January 24, 2026, for \$10,910.04. Routt motioned to approve payment. Riedel seconded. All in favor of approval.

IV. Operations and Facility Status

A. Summary of Plant Operations (by Reworld)

Mayer discussed the Facility safety update. There were no OSHA recordable or first aid accidents for the quarter. Safety topics covered in the quarter included hand safety, respiratory protection and outage safety (lock out tag out).

Mayer discussed the environmental update for the Facility. There were no NOVs for the quarter. Kevin McGunnigle, Reworld's Area Environmental Manager, attended the Northern Virginia Regional Water Supply Plan inaugural meeting on October 23rd. The premise of the meeting was to better understand water needs and to better plan for the future. The Facility is a

relatively large consumer, about 500,000 gallons per day, so the group is happy to have Reworld participating. The Facility has a new community relations representative; Ayotomiwa Fashola, she goes by Tommy.

Mayer discussed the operations from the previous quarter. There was a steady performance with a boiler availability of 93% and turbine availability of 98%. There were two planned outages in October and November. There are three rental transformers onsite, Reworld plans to have all three installed by the end of February.

Lee asked if Reworld is planning on doing any outreach for Earth month/day and if someone from the City of Alexandria has reached out to Reworld about for the upcoming months. Mayer stated they typically participate in a clean up activity. Suggestions can be sent to Tommy with Reworld.

Domato asked how current major outages are going so far for the ongoing quarter. Mayer stated they are wrapping up the silencer project that started at the end of last year which is good for the community. If the facility experiences any type of upset conditions and needs to relieve steam out of the plant, it now goes through essentially a muffler to quiet the noise. Reworld installed an ash discharger on Unit 3 which is to improve the water equivalency in the ash and reduce the amount of water going to the landfill. The discharger helps keep the plant cleaner as well by keeping dust down.

B. Discussion of Quarterly Report and Facility Performance to Date (by HDR)

Fleming discussed the Quarterly Report and Performance Trends for the second quarter of fiscal year 2026 as well as data through December. Cumulative waste deliveries were slightly lower, 172,073 tons seen on Chart 9, for this quarter than the previous two years, but City and County waste deliveries were comparable and may be a change in supplemental waste. See in Chart 1, there was 86,737 tons processed in the quarter, 71,715 tons were MSW and 1,617 was special handling waste which was comparable to the second quarter of last fiscal year (less than 0.1% difference). For Q2FY26, the ash generation decreased by 0.2 percentage points compared to Q2FY25 (20.1% compared to 20.3%). December had a higher ash generation rate; 21.5% it has not been that high since October 2023; Fleming asked Mayer if there was anything notable during December. Mayer stated it is mostly about combustion. Fleming stated that overall it is not a drastic deviation from the average. Fleming stated the metal quantity increased by 11% and recovery rate per tons processed for the quarter also increased by 0.3 percentage points compared to Q2FY25. As seen on Chart 4, there was a 3.5% higher steam production this quarter compared to Q2FY25 due to a higher boiler capacity utilization, higher heating value, and less boiler downtime. In Chart 4, October and November were relatively similar, but December has significantly more steam.

Mayer stated Reworld operates on a calendar year production limit so some years they may run harder in December to meet the target of 350,200 klbs. The facility remains under the 12-month rolling steam production limit (at 99.9%).

Fleming discussed the turbine performance for Q2FY26. The net electric recovery rate per processed ton was 428 kWh per ton and 3.6% higher compared to Q2FY25 due to less turbine downtime. Seen on chart 14, the steaming rate was 12.3 lbs. of steam per kWh was 0.7% higher, which is considered less efficient, based on the lower steam temperatures in the quarter. Reworld has discussed adding additional capacity to their superheaters because it is slightly below design, but they are analyzing the cost benefits based on the boilers being in good shape currently.

On Table 4, the utilities and reagent consumption show fuel oil usage is 10.5% higher than Q2FY25, the fuel oil was 0.24% of the total heat input which is still less than the industry recommended of less than 1.0%. There were less number of start up and shut downs which would affect the usage, there were six events in Q2FY26 compared to the 10 events in Q2FY25. Mayer stated that the fuel oil usage is about maintaining consistency; establishing the correct temperature and steam flow and try to maintain that environment. Boiler make up water also increased by 11% largely due to the make up tank leak previously discussed in the November meeting. Fleming asked if there was a specific reason for the increase in ammonia usage. Mayer stated they just use the required amount to keep NOx under emission limits.

Fleming reviewed the availability for the quarter; boiler availability was 94% and turbine availability was about 99%. There was a total of six outages, a total of 403.1 hours for the boilers and no standby time. Scheduled downtime, 264 hours, was 66% of the downtime, for the major outage on Boiler No. 1 in October and the cleaning outage in November on Boiler No. 2. Fleming stated the major work for Boiler No. 1 included a complete baghouse bag change, two waterwall panel replacements, and the feedchute/transition chute was replaced on three sides. The Boiler No. 2 major outage is ongoing currently. Mayer stated the Boiler No. 3 major outage occurred in January. Fleming stated that unscheduled downtime was about 139 hours, 34% of the downtime. Boiler No. 3 had a waterwall tube leak and a drain line repair, and Boiler Nos. 1 and 2 each had a grate bar failure. Mayer stated that grate bar failures occur typically when there is accumulation on the clinker or if damage occurs from internal explosions caused by propane or nitrous oxide tanks that aren't completely empty. The turbines had three outages for a total of 196 hours, the majority of which was standby due to no steam during the Unit 1 outage in October which was 90% of the turbine downtime (177 hours). Unscheduled downtime was caused by condenser tube failure/pluggage. Fleming stated there was a previous condenser tube failure in Q1FY26 and asked Mayer if there was any relation. Mayer stated they completed a media change but still have

particulate coming through and blocking the condenser. Reworld analyses the water chemistry and cleans the condenser tube as they are not ready for a complete condenser swap. In October 2026, Reworld is replacing the dump condenser.

Fleming discussed their site visit in January and the deficiency table. HDR updated the deficiency item labels to be able to track easier once moved to SmartSheet and shows the month and the year. There were two items closed (0824-2 and 0625-1), the roof fan over the deaerator was observed operating and the hydraulics on Boiler No. 2 superheater dump valves were observed operating properly. Two items were updated (0221-2 and 0625-2), the baghouse hopper heaters were set to automatic, however Unit 3 remained in manual and insulation damage from a hanger previously seen near Boiler No. 3 economizer rear wall has progressed and a leak was identified. Mayer stated the facility is in the process of replacing their ash screw conveyors which are being refit with heat tracing. They are about 30% heat traced from original but as they replace the screws and take the insulation off, they replace the heat tracing. Originally Unit 3 was planned for January, but this is a project that can be completed offline, so it is now scheduled for a later time. Mayer stated the leak by Unit 3 should be repaired. Fleming added four items to the deficiency list (0126-1, 0126-2, 0126-3, 0126-4), the SDA on Unit 1 top dump valve did not have a safety cage was stuck in the open position, likely due to maintenance. Boiler Nos. 2 and 3 items were discussed with Reworld onsite; a large hole was observed on the transition chute of each boiler. Mayer stated they are welding repairs to patch the holes. Fleming stated there was an external deodorizer near the tipping floor exit door that was not working. Mayer stated there is a scheduled outage on March 9th and stack testing the week of March 23rd. Fleming stated they will likely come to the facility the week of March 16th for the quarterly walk through.

V. Reworld Items

A. Supplemental Waste

There have been no major changes, and operations have continued as expected.

VI. Old Business

A. FY 25 Annual Executive Report Approval

There were no additional comments. Riedel motioned to approve the executive report. Huffman seconded. All in favor of approval.

B. Virginia Clean Economy Act

There has been no update.

C. AlexRenew Biomass Material

The City of Alexandria had a meeting with AlexRenew last week with the stormwater group. They were looking at the capacity and tonnages. AlexRenew is estimating 25 tons per day they were looking to bring to the Reworld facility. Lee asked if Reworld would require any permits to accept this waste and stated AlexRenew asked about future capacity at the facility. DeMaio stated that if they do add biosolids to the waste mix, they would want to add that to our permit as an additional waste. Even at 25 tpd and would need assistance with that. It does limit capacity; the material doesn't burn as well as MSW. DeMaio suggested to set up a call with AlexRenew.

VII. **New Business**

A. MACT Update

Fleming stated the Waste to Energy Associations update on the MACT rules is that they should be published March 5, 2026. DeMaio stated there is no further update from Reworld but can inquire with their sustainability team. Mayer stated the facility just renewed their air permits for another five years, so the new MACT rules should not affect the facility for at least another five years.

B. Public Initiatives

Domato stated that Cammarata previously sent a list of public initiatives of tours and other public outreach the facility participated in. Mayer stated they attended the children's holiday giving, and several Thanksgiving drives. There is a new representative for outreach, and she can provide an update of the tours and events.

Reworld's Public Outreach Initiatives:

Community Service and Sponsorships

10/1/2025	Alexandria Alive
10/18/2025	Tour De Mount Vernon
10/31/2025	Tour for the Episcopal High School Climate and Sustainability Class
12/9/2025	Alexandria Alive

C. Open Discussion

Mayer stated they found out late last year that the facility is not compliant with the Potomac water basin as discussed in the November FMG meeting. The facility is collecting rainwater to send samples as a comparison. Kevin McGunigle is staying on top of this issue and trying to better understand expectations.

The FMG is looking at moving the next meeting from May 13th to May 20th. Mayer stated there should be no issues for an in-person meeting either week. Fleming will send out a poll closer to the meeting to determine the next meeting date and location.

On a motion by Riedel, seconded by Routt the meeting adjourned at 9:47 a.m. The next Facility Monitoring Group Meeting is scheduled for Wednesday, May, 20 2026, and will be determined if it will be held in person.