

FINAL MINUTES
Waste-to-Energy Facility Monitoring Group
MEETING

Wednesday, November 12th, 2014
Covanta Alexandria/Arlington Waste-to-Energy Facility – Eisenhower Avenue
7:30 a.m. – 10:00 a.m.

The Facility Monitoring Group, staff, and HDR representatives present included Yon Lambert, Mark Schwartz, Erik Grabowsky, Morgan Routt, Barbara Wiley, Alaeedin Mohamed, Alton Weaver, Bill Skrabak, Bill Eger, Michael Clem, Kyle Perrin and Susan Raila, with Don Castro joining via phone. Mark Harlacker, Rich Serio and Bryan Donnelly attended the meeting from Covanta.

I. Comments on Agenda

There were no comments on the agenda.

II. Approval of Final Minutes from the August 13th, 2014 Facility Monitoring Group Meeting (see attached).

Schwartz made a motion to approve the minutes; Grabowsky seconded the motion, and the minutes were approved unanimously.

III. Requisitions for Payment

The requisitions for payment that were submitted for approval totaled \$14,919.89. The sole invoice was for HDR Engineering, Inc. for the period July 27, 2014 to November 1, 2014. Routt made a motion to approve payment, and Grabowsky seconded. The HDR invoice was approved unanimously.

IV. HDR - Operations and Facility Status

Discussion of Quarterly Report and Facility Performance to Date

Castro indicated that the first quarter of 2015 was fairly routine. There were about 100 hours of unscheduled downtime due to four separate tube leakages. There were about 200 hours of boiler stand-by time due to the steam permit limitation. Perrin then discussed his walk-through

inspection of the facility of the prior day. Repair of the spider cracking near the scale and the pothole at the truck entry roadway have been delayed, but should be taken care of in the following week. Covanta is waiting for a contractor to repair the concrete to the roadway drain (item 7 on the list of deficiencies), and they are getting another quote for repair work for the TG enclosure roof leakage and the corrosion on the ceiling panels. Other deficiencies were taken care of, although there were a couple new ones related to additional potholes and the deterioration of the curb at the tipping floor.

The outage was on-going at the time of the meeting. Bryan mentioned that a new Mitsubishi fork lift had been purchased, and 14 new skylights were installed. The Boiler No. 3 outage was scheduled for Saturday through Thursday, when Covanta would be doing Inconel overlay work, and installing water-induction valves for TG1, and also doing an inspection of the baghouse. Castro noted that the covering over the ash trailers was a nice addition to the facility.

Castro then went through the performance curves. The amount of waste processed was consistent with last year and boiler operation in terms of steam produced was steady. There were 3 operational days where the unit was down, due to the steam limitation. Castro noted that the calculated waste heating value was up for the fall, just under 5,100 Btu/lb, and well above the original design value of 4,500 Btu/lb. The gross turbine generator conversion rate is now at a normal level, since the major TG overhauls were done in prior years. Ferrous recovery has increased. The NO_x emissions increased a bit in October, and Donnelly was asked if that was related to the outages. Donnelly was not sure, but indicated that he would take a look at that. In summary, it was a fairly routine quarter. It was noted that the amount of Supplemental waste has increased, with a high number in October. Harlacker indicated that they had a new sales effort, which was primarily aimed at a secure document destruction.

V. Covanta Items

A. Discussion on Steaming Rate

Covanta indicated that they had conversations on this issue a few weeks ago with the Virginia DEQ. More steam (and hence electricity) production could be addressed by taking in more tons of waste, or by increasing the HHV of waste, and they may be able to get to a higher HHV by accepting more Supplemental waste. Covanta admitted that they could have been more eloquent in their request to the VA DEQ, explaining that they only intended to request a small increase in tonnage (not 30,000 tons), so now they are taking a step back, and would like to further

study the issue. They may decide to take in more Supplemental waste as long as it has a higher HHV. They also mentioned the cost of the LN system as approximately \$500,000 per unit. Skrabak suggested that they might be able to use more ammonia to ratchet down the NO_x a little more. They plan to review the old test data on the optimization program from a few years ago. Covanta indicated that they only want to process 5,000 to 7,000 tpy more waste, and the FMG will get something to Covanta on what they would like to see, if that much more waste was processed.

B. Disposal of ebola-related waste

Harlacker stated that ebola-related waste will not be taken at any of their facilities at this point in time, and that it is their corporate policy not to accept this waste. He mentioned that NYC did talk to them also about the possibility of taking such waste. He indicated that the issue would be open to consideration if there was a crisis. He also said that Covanta will be talking to the VA DEQ, and get back to the FMG on what the process would be, should that occur.

C. Radioactive Materials Event

Donnelly briefly explained the radiation event that was experienced the week prior to the meeting. When the alarm at the facility went off, the Virginia Department of Management EOC was contacted, and they indicated that the Alexandria Fire Department needed to be contacted in order to use their survey meter to determine the specific isotope of material on the truck (since the facility's survey meter which could identify the specific isotope was being repaired). When the HAZMAT team arrived at the facility, they confirmed Covanta's low readings, identified that it was a medical isotope and was no hazard, and the material was processed at the facility.

D. LN or other Low NO_x Technology

The drawbacks of the LN system were previously discussed. Covanta representatives indicated that they would look at the prior NO_x optimization study that had been done several years ago.

E. Patterns in NOV Issuance

There were only a few Notices of Violations issued to haulers, with 5 in September and 2 in October. Covanta indicated that their efforts to reduce lines at the facility have contributed to fewer violations. Lambert then asked about hauler changeouts, and it hasn't been brought up by the community recently. Donnelly noted that Covanta has been doing sweeping from Metro

Road to the entrance of the facility, 3 times per week. Lambert asked Covanta if they could sweep a little more towards Summers Grove.

F. Supplemental Waste

The type and quantity of Supplemental Waste has remained fairly stable, consisting primarily of textiles, pharmaceuticals, confidential documents and APHIS waste, although they did handle some debris pumped from a pond at the end of October.

G. Gray Water Reuse – update

Harlacker was asked if there was an update on this issue, and he indicated that he received a draft MOU from Alexandria Renew. It seems like a viable project. Lambert indicated that he hadn't seen any details. Alexandria Renew will fund the project if they get a 50% grant; Covanta would need to purchase some of the grey water. Covanta is looking at grant funding as well. At this time, Covanta would be the primary user of the water. Lambert asked about the time frame, and was told it would probably be in 2016 or 2017.

VI. Old Business

There was no old business to report.

VII. New Business

A. Legislative Issues

There were no legislative issues to report.

B. Public Initiatives

Covanta provided a list of public outreach since the last meeting, which included the following:

- August 14 – provided a tour to 5 people from Garco.
- August 25 – Attended the Eisenhower Partnership meeting.
- August 29 – provided a tour to 13 people from American Disposal.
- September 4 – provided a voluntary tour to representatives from the OSHA VPP Star program.
- September 19 – provided a tour to Tony Caselana and 3 other fire fighters from the Alexandria City HAZMAT team interested in looking at the facility's radiation detectors and screening program.
- September 24 – Met with the Seaport Foundation on sponsorship
- September 27 – sponsored Seaport Day.

- October 2 – provided a tour to 3 people from Lockheed Martin, which is interested in delivering confidential documents as Supplemental waste.
- October 8 – tour for John Dyer EH&S manager for Veolia, who may be interested in delivering Supplemental waste.
- October 11 – Roderick Brooks and Jonathan Jay of Covanta participated in the Arlington County hazardous waste collection event at Thomas Jefferson middle school. Free giveaways were provided to those who dropped off mercury-containing devices.
- October 29 – provided a tour to the government contractor, Arete, who is interested in delivering Supplemental waste to the facility.
- October 31 – tour provided to Eisenhower West End Eisenhower partnership consultants to get an idea about traffic flow entering and leaving the facility. RJ Brooks of Covanta has been attending the Eisenhower Partnership meetings.

Lambert mentioned the Earth Day Committee, and participation in the Earth Day events in the spring.

On a motion by Schwartz, seconded by Grabowsky, the meeting adjourned at 9:20 a.m.

The next Facility Monitoring Group Meeting is scheduled for Wednesday, February 11th, 2015 at the Covanta Facility.