

DRAFT MINUTES
Waste-to-Energy Facility Monitoring Group
MEETING

August 19th, 2020
Covanta Alexandria/Arlington Waste-to-Energy Facility – Eisenhower Avenue
8:30 a.m. – 11:00 a.m.
Virtual Meeting

The Facility Monitoring Group, staff, and HDR representatives present for the meeting included Jeff DuVal, Erik Grabowsky, Helen Lee, Vijetha Huffman, Morgan Routt, Emily Hughes, Alaeedin Mohamed, William Skrabak, Don Castro, Kyle Perrin, and Dan Domato. Don Cammarata and Lucas Dushac attended the meeting from Covanta. This FMG Meeting was held as a virtual meeting.

I. Comments on Agenda

Minor edits were made to the Agenda: Changed the presented date of the previous meeting minutes (from February 12 to May 13). This was agreed upon.

II. Approval of Final Minutes from the May 13th, 2020 Facility Monitoring Group Meeting.

Emily Hughes was added to the attendees list for the previous meeting. With this change agreed upon, DuVal 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 \$10,825.00. The sole invoice was the invoice for HDR Engineering, Inc. for the period April 26, 2020 to August 15, 2020 in the amount of \$10,825.00. Grabowsky made a motion to approve the payment, Hughes seconded, and the invoices were approved unanimously.

IV. HDR - Operations and Facility Status

A. Discussion of Quarterly Report and Facility Performance to Date

Castro discussed the Quarterly Report and Performance Trends. The Quarterly Report also

covered the Annual FY20. FY20 waste processed at 98% of the Facility's capacity with a slight increase from the previous years. Both steam production and electric generation also slightly up. Steam production up due to slight increase in waste processed and higher waste HHV. Chart 1 – waste processed values nearly identical to previous three years. Chart 2 – ash production slightly higher in Q4, but may be attributed to metals handling. Chart 3 – up from last year but trending downward; overall very good recovery for the region. Chart 4 – steam production up slight (discussed above). Chart 7 – waste HHV up slightly from last year; partially due to decrease in rainfall. Chart 13 – net electric generation (reference ton) down slightly; partially due to T-G outage.

Castro discussed the Performance curves. By calendar year – decrease in July for Facility Performance due downtime caused by transformer; particularly in waste processed and steam production. Transformer failure and subsequent black plant out (5-day outage). Turbine steam rate high in July; particularly due to steam leaks at the Facility. NOx emission (avg of three units) down substantially due to the commencement of the LN system on Unit 2.

High ash generation in Feb. through June; previously discussed, specifically due to change in difference in ferrous handling; ash being cleaned off of ferrous material. Grabowsky wants it denoted somewhere (either HDR's quarterly report or Covanta's monthly reports). Huffman – why it's higher than 2018 when the trommel was being used; Castro responded that it may have been due to the position of the magnet. Decrease in ferrous recovery due to pulling more ash off; but it will increase the value of the material.

Grabowsky asked what the FMG and Covanta need to be focusing on due to the life of the Facility: Electrical components should be evaluated (age of components) obsolete and wear and tear. Pressure parts due to continued operations at high metal temperature (thermal stress). Surveillance and assessment programs and increase in spare parts due to the age of the Facility. Dushac – long term maintenance has been completed for the Facility (particularly electric). Evaluation of the spare parts list. Maintenance and inspection on cranes are completed regularly. Pressure parts are usually evaluated during the major black (2017 was the last one). Domato asked when the last high energy survey was completed. Dushac said he would check.

Perrin discussed Table 1 – deficiencies. Dushac has provided updates (with photos). HDR has not been able to perform a site visit to the Facility since February. A majority of the items have been closed – HDR to verify during next site visit. HDR will be performing a site visit following this

meeting.

V. Covanta Items

A. Summary of Plant Operations (by Covanta)

When covering this agenda item, immediately went into the next Agenda item. See below.

B. Update on issues with Medium Relief Valve and Transformer Failure

Dushac covered the two main issues over the previous quarter.

Transformer:

The main step-up transformer failed (aged piece of equipment – dominion considered that the transformer near end of service. Caused the Facility to go dark. This led to a 5-day outage. Reason for decrease in waste processed and steam production in June. Dushac mentioned that this was a quick turn around for a repair/replacement of this nature.

Medium pressure Relief Valve (MRV) in July and High pressure Relieve Valve (HRV) (over the weekend):

Covanta scheduled a late June outage to replace a deaerator valve that was causing a steam leak. MRV was rebuilt during this outage (rebuilt in place) – no issues for a week but then lifted prematurely in July. Shut down generation (black plant) for two nights in a row). Valve was replaced a few days later. Failed MRV sent back to supplier to evaluate the Root Cause.

Superheater relief valve lifted – August 6 cleaning outage; the valve was replaced with a rebuilt valve (part of PM program) – also lifted prematurely; wasn't reseating properly either. Same vendor that rebuilt the previously failed valve.

The Jurisdictions are looking for the RCA for the valve failures. The Jurisdictions will be discussing with Covanta help with public outreach during these type of events (calls were made to the community hotline, 311, and 911 during the events) – if a schedule or timeline is available to tell the concerned community members.

C. Update on LN System

Dushac discussed the LN system status. Unit 2 in normal operation at the end of June 2020. Producing NOx emissions under 80 ppm (compared to 160 ppm average of other units w/o the LN system). Unit 1 up next for installation and testing; pre-construction in September and

October with install during November Unit 1 major outage. June 2021 completed and in normal operation.

Agreement letter – in Arlington’s court. Grabowsky asked the question about why the CPI was used. Cammarata said that it was chosen because it best tracks their costs.

D. Supplemental Waste

No update on supplemental waste. The Facility continues to receive supplement waste.

VI. Old Business

A. Air Quality Report/ Eisenhower West Plan Implementation Update

There was no update to provide on this matter.

VII. New Business

A. Legislative Issues

Virginia has joined RGGI – will not have an impact on Covanta or the WTE Facility.

B. Public Initiatives

A Virtual Tour for residents of Summer Grove neighborhood was completed. In person tour activities have been suspended due to the COVID-19 pandemic.

Covanta assisted with food distribution and donations for Volunteer Alexandria.

On a motion by DuVal, seconded by Grabowsky, the meeting adjourned at 10:30 a.m.

The next Facility Monitoring Group Meeting is scheduled for Wednesday, November 11th, 2020 either at the Covanta Facility or to be held as a virtual meeting.