

FINAL MINUTES
Waste-to-Energy Facility Monitoring Group
MEETING

Wednesday, June 12th, 2013
Alexandria Maintenance Facility, Business Center Drive
8:30 a.m. – 10:30 a.m.

The Facility Monitoring Group, staff, and HDR representatives present included Yon Lambert, Morgan Rountt, Mark Schwartz, Erik Grabowsky, Alaeedin Mohamed, Barbara Wiley, Alton Weaver, William Skrabak, Kyle Perrin and Susan Raila, with Don Castro via phone. Bryan Donnelly attended the meeting from Covanta, with Michael Renga via phone.

I. Comments on Agenda

There were no comments on the agenda, except for adding an invoice for attendance at NAWTEC.

II. Approval of Final Minutes from the March 20th, 2013 Facility Monitoring Group Meeting (see attached).

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

III. Requisitions for Payment

The requisitions for payment for March, April and May 2013 invoices that were submitted for approval totaled \$27,971.11. This included the March/April/May HDR Engineering, Inc. invoice for \$21,377.07, the Hawkins, Delafield & Wood LLP invoice for arbitrage rebate and yield restriction compliance services for \$4,999.00, and Erik Grabowsky's expenses to attend NAWTEC for \$1,595.04. Rountt made a motion to approve the invoices, Grabowsky seconded, and the invoices were approved unanimously. The Hawkins Delafield & Wood invoice is to be paid out of the A/A Waste Disposal Trust Fund, while the other invoices will be drawn from the WTE Facility Monitoring Group Fund.

IV. HDR Operations and Facility Status

Discussion of Quarterly Report and Facility Performance to Date

Perrin noted that two items of note from his inspection were the installation of a waste freight elevator and maintenance on the dolomitic lime silo. The freight elevator was for special wastes, which Covanta is trying to attract, since they typically get a higher tip fee than for regular MSW. These wastes would include used cosmetics, old military uniforms, pharmaceuticals and secure documents, which would need to be monitored to ensure their destruction. Donnelly noted that the lime silo work was a general maintenance issue. Perrin noted that the previous metal plate on the roadway which was there due to work on the storm sewer was removed, and now the roadwork by the entrance to the gate was completed and asphalted. Donnelly noted that there was only one bay open for dumping. Lambert noted that there have been some open issues for a while, and Donnelly noted that there was a lot of maintenance activity going on.

Perrin then went through the facility performance curves. He noted that in April and May, when there were no outages, the tonnages were up. The semi-dry ash system has pretty much stabilized, with about 21% of incoming waste tonnage, going out as ash. The numbers had been higher in the years prior to installation of the semi-dry ash system. Castro noted that even in March which was an outage month, there was a 3-year high for the amount of steam produced by the facility, which is very good. Additionally, the calculated heating value of the waste was better in the past for the month of May. In terms of electrical generation performance the facility is performing better than it had in the past two years. Castro also noted that there has been better performance on the ferrous recovery system.

The consumption of pebble lime has been varying recently, but it came down in the last 2 months, as did the SO₂ levels. Ammonia consumption has risen somewhat, which happens seasonally, as more yard waste enters the waste stream. It was noted that the NO_x emissions had increased in March, but that occurred during a significant outage period. The use of carbon has been declining, and Donnelly said that they were trying to keep a tighter operation on that. The carbon monoxide emissions have been lower, which shows good combustion practices. It was noted, however that dolomitic lime consumption almost tripled in May, from what it had been in April, which was to keep the ash within a range of 9 to 11.

Castro noted that he had looked at the stack test results, and across the board, the results were excellent, with emissions close to historical low values. Lead was lower than in 2012, at 0.4% of the regulatory limit. Particulates were even better than last year. The Facility is

comparable to the best facilities in terms of dioxins. He noted that PM_{2.5} was a little lower than last year, and over 99% of mercury was removed, and all results were excellent.

Covanta Items

A. Stack Testing/ Ammonia Slip Test

Castro asked about the results of the ammonia slip test. Donnelly said that they had done 3- one-hour test runs, and would have the data by next week. He will share it once he receives it. Castro noted one concern that he had with the May data, with Boiler No. 2 at an average steam temperature of 725°F, which is 25° above the design condition. Donnelly replied that they were doing some cleaning on that unit presently, in order to get the temperature down. Donnelly said that the turbine likes the highest energy steam, and Castro said that it's rated for 700°. Schwartz asked if the increased temperature would shorten the unit's life. Donnelly indicated that it would not really affect that.

B. Annual Reconciliation

Lambert indicated that the FMG would sign off on the annual reconciliation, and that it should be part of Covanta's June billing. This annual reconciliation should come out of the A/A Waste Disposal Trust Fund.

V. Old Business

Renga asked about the independent economic study. Lambert indicated that the duration of the study would slip into the next fiscal year. He also had nothing major to report on it.

VI. New Business

A. Legislative Issues

Renga noted the Partner's meeting and congressional fly-in that took place in May. He said that Covanta spoke about the benefits of energy from waste, but there were no pressing State issues. They were keeping an eye out on the Boiler MACT standards, to see where they are moving.

Renga mentioned that the beneficial reuse of grey water would be a benefit to them in terms of cost and the environment, if the pipeline is ever constructed along the Eisenhower

corridor, which is approximately 4 miles long. He noted that the pipeline only works if Alexandria is on board with it. The next Eisenhower Partnership meeting is on June 26th. Skrabak asked how much of the \$14 million cost Covanta would be willing to fund. He will provide information from the meeting on the 26th.

B. Public Initiatives

- Renga mentioned the facility had applied for an excellence award in WTE to SWANA.
- A tour was provided to Volvo, who has proposed a landfill-free initiative
- The monthly Eisenhower Board meeting was on May 22.
- Telemundo D.C. took a tour of the facility, for a piece that will be aired in July.
- TMG Haulers received a tour of the facility
- Planet Forward toured the facility to do a piece with Bloomberg News
- In early June, the American Society of Civil Engineers toured the facility.
- On June 5th, Covanta gave a scholarship to a TC Williams recipient.
- On June 19th, the facility will celebrate Hauler Appreciation Day with hot dogs and sausages.
- On June 18th, the American Chemistry Council will tour the facility
- On June 26th, is the Eisenhower Partnership Meeting.

Renga also mentioned that they are working on a scale replacement, which would be closer to the tracks, although the timing for that project has been pushed out a bit. Skrabak mentioned that the ethanol transloading facility is looking to double its throughput, and there will be a public hearing and public comment period on that project, in the July timeframe.

On a motion by Schwartz, seconded by Grabowsky, the meeting adjourned at 10:35 a.m.

The next Facility Monitoring Group Meeting has been changed to Wednesday, August 21st, 2013 at the Covanta Facility.