

The Harrisburg Authority
Harrisburg Resource Recovery Facility
Monthly Operating Report
February 2010

Prepared by Covanta Harrisburg, Inc.

February 1st to February 28th, 2010

Table of Contents

1.0 Summary

2.0 Production and Performance Summary

3.0 O & M Activities

4.0 Safety and Environmental

5.0 MBE/WBE Participation

1.0 Summary

This Harrisburg Resources Recovery Operating Report covers the period February 1st, 2010 to February 28th, 2010 .

WASTE VOLUMES:

Waste volume received for February was 19,560 tons which represents a decrease of 1,558 tons from January. 6,951 tons of long-haul spot waste was received in February.

Covanta continues to work in conjunction with THA personnel in the effort to optimize waste deliveries for the facility.

ENERGY SALES:

The PP&L electric purchase agreement expired 12/31/09. For 2010 the energy from the facility will be sold via the PJM wholesale market.

OUTAGE ACTIVITY:

There was a scheduled major outage on unit #2 in February. For March, there is a black plant outage scheduled in order to make repairs to the steam system. Repairs of this nature are not possible when any of the units are in operation.

COMMUNITY ACTIVITY (Preceding 6 months):

- Sponsored the Dauphin County Mercury Thermostat recycling program.
- Currently working with Steelton Highspire High School on a scholarship program.
- Various food donations were made to several local food banks over the holiday season.
- Covanta Harrisburg continues to support the fund raising activities of Centenary UM Church, Steelton, PA.
- Covanta Harrisburg is scheduled to perform a clean-up of a portion of the Harrisburg Greenbelt recreation trail and Spring Creek during April.

2.0 Production and Performance Summary:

HARRISBURG RESOURCE RECOVERY FACILITY

Production and Performance Summary

From: 01-Feb-2010 To: 28-Feb-2010

DESIGN DATA	No. Operating Units		3
Refuse (TPD)	800	HHV (Btu/lb)	5,200
Steam (lb/hr)	205,710	Turbine (MW)	20.843
Steam Press (psig)	600	Stm Temp (deg F)	750
Gross KWH/Ton	560	Net KWH/Ton	470

PRODUCTION	UNITS	ACTUAL PRODUCTION VALUES		
Refuse Received	Tons	19,560	699	TPD
Non-Processible Waste	Tons	757	27	TPD
Refuse Processed	Tons	19,107	682	TPD
Supplemental Waste	Tons	137	0.7	% of Refuse
Ash	Tons	5,746	30.01	% of Refuse
Ferrous	Tons	418	2.2	% of Refuse
Steam	klbs	111,687	80.8	% of MCR
Steam Exported	klbs	0	0.0	Lbs Steam/Ton
Gross Electric	MWH	8,439	441.7	KWH/Ton
Net Electric	MWH	6,420	336.0	KWH/Ton

UTILITIES	UNITS	ACTUAL	UTILITY PER TON OF REFUSE	
In-plant Power	MWH	2,024	105.9	KWH/Ton
Purchased Power	MWH	5	0.3	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	2,961	155.0	CuFt/Ton
Waste Water	kgals	0	0.0	Gal/Ton
Make-up	kgals	1,055	55.2	Gal/Ton
Make-up	% of Steam	7.87		
Potable Water	kgals	10,405	544.6	Gal/Ton
Hydrated Lime	Tons	417	43.6	Lbs/Ton
Urea	Gals	3,848	0.20	Gal/Ton
Carbon	Tons	12	1.3	Lbs/Ton
PERFORMANCE	UNITS	CALCULATED	TUBE LEAK INCIDENTS	
Refuse HHV	Btu/lb	4,587	Monthly	YTD
Refuse Processed	Ref Tons	16,855	0	0
Refuse Processed	Ref TPD	602		
Gross Energy Rec.	KWH/Ref Ton	500.7		
In-plant Elec.	KWH/Ref Ton	120.1		

AVAILABILITY	UNITS	MONTHLY AVAIL.	YTD AVAIL.	MONTHLY TIME ON-LINE	YTD TIME ON-LINE
Boiler 1	%	91.5%	79.5%	91.5%	79.5%
Boiler 2	%	71.4%	82.2%	52.4%	65.1%
Boiler 3	%	94.2%	97.3%	94.2%	97.3%
Avg. Boiler Avail.	%	85.7%	86.3%	79.4%	80.6%
Turbine	%	99.6%	99.8%	99.6%	99.8%

3.0 O&M Activities:

SCHEDULED OUTAGES:

A major outage on unit # 2 was completed in February. Outage work included explosive cleaning and water washing, installation of the redesigned ash roller and snap plate and 208 sq. ft. of inconel boiler tube overlay. There is a black plant outage scheduled for March in order to address some steam system issues.

NON-SCHEDULED OUTAGES:

Unit #1 experienced 51.2 hours of downtime due to a CA fan motor failure and a drag chain plugage. Unit #3 experienced 38.8 hours of downtime due to super heater fouling.

4.0 Safety and Environmental:

There were 0 OSHA recordable accidents and 0 OSHA violations or citations for the month of February.

There were no reportable exempt air emission permit limit exceedances for February. There were 7 reportable exceedances for the month of February, 5 for CO and 2 for furnace temperature.

5.0 MBE/WBE Participation

As of February 28th, there were Forty Six (46) workers employed by Covanta at the facility.

City Residents 13 % Total City Employees			Minority Employees 22 % Total Employees			Women 7 % Total Employees		
Afro-American	4	66 %	Afro-American	6	60 %	Afro-American	1	34 %
Caucasian	1	17 %	Female	3	30 %	Caucasian	2	66 %
Hispanic	1	17 %	Hispanic	1	10 %			
TOTAL # City Residents	6	100%	TOTAL # Minority Employ.	10	100%	TOTAL # Women	3	100%