

The Harrisburg Authority
Harrisburg Resource Recovery Facility
Monthly Operating Report
January 2011

Prepared by Covanta Harrisburg, Inc.

January 1st, 2011 to January 31st, 2011

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 January 1st to January 31st, 2011.

WASTE VOLUMES:

- Waste volume received for January was 24,333 tons or 1,058 tons per workday.
- Volume processed by the facility for January was 24,155 tons or 779 tons per day.
- Long-haul spot waste deliveries for January were 9,000 tons or 37% of the total volume received.

Efforts continue to optimize pricing for waste deliveries for the facility.

ENERGY SALES:

8,890 MWs of electric were sold on to the PJM grid. Day Ahead pricing averaged \$54.92 per MW and Real Time pricing averaged \$48.72 per MW.

OUTAGE ACTIVITY:

Due to weather related decreased in volumes received at the plant, Unit #1's scheduled February outage was moved to January. Unit #1 remained in standby mode for 32.5 hours due to low refuse inventory. Unit #2 was offline 53.4 hrs for Gas Path Cleaning. Unit #3 was offline for Ash Roller/Snap Plate repair.

COMMUNITY ACTIVITY (Preceding 6 months):

- Currently assisting with the planning of Youth Day of Caring event for South Allison Hill.
- Hams were donated to several food banks during December.
- Donated backpacks to back to school programs organized by several local churches
- Awarded 2 Science Scholarships at Steelton Highspire High School.
- Conducted our 2nd Annual Creek Cleanup on a 1 ½ portion of the Harrisburg Greenbelt recreation trail.
- Several EITC scholarships were awarded to Harrisburg area students.
- Covanta Harrisburg continues to support the fund raising activities of Centenary UM Church, Steelton, PA.

2.0 Production and Performance Summary:

HARRISBURG RESOURCE RECOVERY FACILITY

Production and Performance Summary

From: 01 January 2011 To 31-January 2011

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	24,333	785	TPD
Non-Processible Waste	Tons	507	16	TPD
Refuse Processed	Tons	24,155	779	TPD
Supplemental Waste	Tons	0	0.0	% of Refuse
Ash	Tons	8,145	33.7	% of Refuse
Ferrous	Tons	636	2.6	% of Refuse
Steam	klbs	147,722	96.5	% of MCR
Steam Exported	klbs	0	0.0	Lbs Steam/Ton
Gross Electric	MWH	11,560	478.6	KWH/Ton
Net Electric	MWH	8,890	368.0	KWH/Ton

UTILITIES	UNITS	ACTUAL	UTILITY PER TON OF REFUSE	
In-plant Power	MWH	2,670	110.5	KWH/Ton
Purchased Power	MWH	0	0.0	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	1,752	72.5	CuFt/Ton
Waste Water	kgals	0	0.0	Gal/Ton
Make-up	kgals	834	34.5	Gal/Ton
Make-up	% of Steam	4.70		
Potable Water	kgals	12,160	503.4	Gal/Ton
Hydrated Lime	Tons	464	38.4	Lbs/Ton
Urea	Gals	7,696	0.32	Gal/Ton
Carbon	Tons	13	1.1	Lbs/Ton
PERFORMANCE	UNITS	CALCULATED	TUBE LEAK INCIDENTS	
Refuse HHV	Btu/lb	4,948	Monthly	YTD
Refuse Processed	Ref Tons	22,984	0	0
Refuse Processed	Ref TPD	741		
Gross Energy Rec.	KWH/Ref Ton	503.0		
In-plant Elec.	KWH/Ref Ton	116.2		

AVAILABILITY	UNITS	MONTHLY AVAIL.	YTD AVAIL.	MONTHLY TIME ON-LINE	YTD TIME ON-LINE
Boiler 1	%	93.5%	93.5%	89.2%	89.2%
Boiler 2	%	92.8%	92.8%	92.8%	92.8%
Boiler 3	%	92.0%	92.0%	92.0%	92.0%
Avg. Boiler Avail.	%	92.8%	92.8%	91.3%	91.3%
Turbine	%	100.0%	100.0%	100.0%	100.0%

3.0 O&M Activities:

SCHEDULED OUTAGES:

Although there were no scheduled outages for the month of January, Unit #2's February outage was moved to January to coincide with the low refuse inventory caused by the numerous winter weather events..

NON-SCHEDULED OUTAGES:

- Boiler #1 was remained offline for 32.5 hours due to low refuse inventory.
- Boiler #2 was taken offline for 53.4 hours due to Gas Path Cleaning.
- Boiler #3 was taken offline for 59.2 hours for Ash Roller/Snap Plate repairs..

4.0 Safety and Environmental:

0 OSHA recordable accidents.

The facility experienced no (0) reportable and one (0) reportable exempt air emission permit limit exceedance for CO during the month of January 2011.

5.0 MBE/WBE Participation

As of January 31st there were Forty Six (46) workers employed by Covanta at the facility.

City Residents 15 % Total City Employees			Minority Employees 21% Total Employees			Women 8% Total Employees		
Afro-American	5	72 %	Afro-American	5	50 %	Afro-American	1	25 %
Caucasian	1	14 %	Female	4	40 %	Caucasian	3	75 %
Hispanic	1	14 %	Hispanic	1	10 %			
TOTAL # City Residents	7	100%	TOTAL # Minority Employ.	10	100%	TOTAL # Women	4	100%