

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

Prepared by Covanta Harrisburg, Inc.

March 1st, to March 31st, 2010

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1.0 Summary

This Harrisburg Resources Recovery Operating Report covers the period March 1st, 2010 to March 31st, 2010.

WASTE VOLUMES:

Waste volume received for March was 20,050 tons which represents an increase of 490 tons from February. 7,369 tons of long-haul spot waste was received in March.

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 minor outage on unit #3 in February. Additionally, there was an unscheduled cold iron outage in order to make repairs to the steam leaks on Units 1 and 2 main steam flow meters.. Repairs of this nature are not possible when any of the units are in operation.

COMMUNITY ACTIVITY (Preceding 6 months):

- Working with the United Way on a multi-site community cleanup scheduled for April 23rd.
- Sponsoring an evergreen seedling give away in conjunction with Dauphin County Recycling Earth Day event.
- Donated several trees to a local school's Earth Day celebration.
- 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 on April 30th.

2.0 Production and Performance Summary:

HARRISBURG RESOURCE RECOVERY FACILITY

Production and Performance Summary

From: 01-Mar-2010 To:

31-Mar-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	20,050	808	TPD
Non-Processible Waste	Tons	1,660	54	TPD
Refuse Processed	Tons	22,857	737	TPD
Supplemental Waste	Tons	0	0.0	% of Refuse
Ash	Tons	6,597	28.9	% of Refuse
Ferrous	Tons	560	2.5	% of Refuse
Steam	klbs	136,676	89.3	% of MCR
Steam Exported	klbs	0	0.0	Lbs Steam/Ton
Gross Electric	MWH	10,396	454.8	KWH/Ton
Net Electric	MWH	8,193	358.4	KWH/Ton

UTILITIES	UNITS	ACTUAL	UTILITY PER TON OF REFUSE	
In-plant Power	MWH	2,291	100.2	KWH/Ton
Purchased Power	MWH	88	3.9	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	4,890	213.9	CuFt/Ton
Waste Water	kgals	0	0.0	Gal/Ton
Make-up	kgals	1,084	47.4	Gal/Ton
Make-up	% of Steam	6.61		
Potable Water	kgals	12,660	553.9	Gal/Ton
Hydrated Lime	Tons	544	47.6	Lbs/Ton
Urea	Gals	5,000	.22	Gal/Ton
Carbon	Tons	9	0.8	Lbs/Ton

PERFORMANCE	UNITS	CALCULATED	TUBE LEAK INCIDENTS	
Refuse HHV	Btu/lb	4,627	Monthly	YTD
Refuse Processed	Ref Tons	20,338	0	0
Refuse Processed	Ref TPD	656		
Gross Energy Rec.	KWH/Ref Ton	511.2		
In-plant Elec.	KWH/Ref Ton	112.6		

AVAILABILITY	UNITS	MONTHLY AVAIL.	YTD AVAIL.	MONTHLY TIME ON-LINE	YTD TIME ON-LINE
Boiler 1	%	80.9%	80.0%	80.9%	80.0%
Boiler 2	%	81.0%	81.8%	81.0%	70.6%
Boiler 3	%	79.5%	91.1%	79.5%	91.1%
Avg. Boiler Avail.	%	80.5%	84.3%	80.5%	80.6%
Turbine	%	90.9%	96.7%	90.9%	96.7%

3.0 O&M Activities:

SCHEDULED OUTAGES:

A minor outage was completed on unit #3. Outage work included explosive cleaning and water washing. There was an unscheduled cold iron outage in order to repair several steam leaks on units #1 and #2 steam flow meters. Additionally, new feed water isolation valves were installed in order to allow 2 valve protection during outages but still allow cold filling of the boilers.

NON-SCHEDULED OUTAGES:

Unit #1 experienced 141.9 hours of downtime; 96.8 hrs for the cold iron and 45.1 hrs for grate clinking.

Unit #2 experienced 141.9 hours of downtime; 65.1 hrs for the cold iron, 43.3 hrs for snap plate modification, 14 hrs for a transition chute plug, 15.3 hrs for FGR fan bearing change 3.4 hrs misc.

Unit #3 experienced 84.3 hours of downtime due to the cold iron.

Turbine/Generator experienced 67.7 hours due to the cold iron.

4.0 Safety and Environmental:

There were 0 OSHA recordable accidents and 0 OSHA violations or citations for the month of March. There was one (1) reportable exempt air emission permit limit exceedances for March. There were zero (0) reportable exceedances for the month of March.

5.0 MBE/WBE Participation

As of March 31st, 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%