

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

Prepared by Covanta Harrisburg, Inc.

June 1st, 2011 to June 30th 2011

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1.0 Summary

This Harrisburg Resources Recovery Operating Report covers the period June 1st, 2011 to June 31st 2011.

WASTE VOLUMES:

- Waste volume received for June was 25,557 tons or 1,064 tons per workday.
- Volume processed by the facility for June was 25,414 tons or 847 tons per day.
- Long-haul spot waste deliveries for June were 6,732 tons or 26% of the total volume received.

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

ENERGY SALES:

8,492 MWs of electric were sold on to the PJM grid. Day Ahead pricing averaged \$47.85 per MW and Real Time pricing averaged \$55.74 per MW.

OUTAGE ACTIVITY:

There were no scheduled outages for the month of June. Units #1 and #3 were taken offline for routine cleaning outages. The turbine tripped offline line due to a clogged filter.

COMMUNITY ACTIVITY (Preceding 6 months):

- Participated in the Youth Day of Caring event in South Allison Hill.
- Donated supplies to the Harrisburg Multicultural Event.
- Sponsored several Earth Day events at several local school districts.
- 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-June-2011](#) To [30-June-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	25,557	852	TPD
Non-Processible Waste	Tons	682	23	TPD
Refuse Processed	Tons	25,414	847	TPD
Supplemental Waste	Tons	0	0.0	% of Refuse
Ash	Tons	8,307	32.7	% of Refuse
Ferrous	Tons	566	2.2	% of Refuse
Steam	klbs	149,250	100.8	% of MCR
Steam Exported	klbs	0	0.0	Lbs Steam/Ton
Gross Electric	MWH	10,831	426.2	KWH/Ton
Net Electric	MWH	8,492	334.1	KWH/Ton

UTILITIES	UNITS	ACTUAL	UTILITY PER TON OF REFUSE	
In-plant Power	MWH	2,475	97.4	KWH/Ton
Purchased Power	MWH	136	5.4	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	3,037	119.5	CuFt/Ton
Waste Water	kgals	0	0.0	Gal/Ton
Make-up	kgals	1,516	59.7	Gal/Ton
Make-up	% of Steam	8.46		
Potable Water	kgals	16,075	632.5	Gal/Ton
Hydrated Lime	Tons	516	40.6	Lbs/Ton
Urea	Gals	5,968	0.23	Gal/Ton
Carbon	Tons	19	1.5	Lbs/Ton
PERFORMANCE	UNITS	CALCULATED	TUBE LEAK INCIDENTS	
Refuse HHV	Btu/lb	4,625	Monthly	YTD
Refuse Processed	Ref Tons	22,604	0	0
Refuse Processed	Ref TPD	753		
Gross Energy Rec.	KWH/Ref Ton	479.2		
In-plant Elec.	KWH/Ref Ton	109.5		

AVAILABILITY	UNITS	MONTHLY AVAIL.	YTD AVAIL.	MONTHLY TIME ON-LINE	YTD TIME ON-LINE
Boiler 1	%	93.3%	89.9%	85.3%	86.6%
Boiler 2	%	100.0%	91.0%	94.6%	90.1%
Boiler 3	%	94.3%	89.8%	94.3%	89.8%
Avg. Boiler Avail.	%	95.9%	90.2%	91.4%	88.8%
Turbine	%	92.4%	97.2%	92.4%	97.2%

3.0 O&M Activities:

SCHEDULED OUTAGES:

There were no scheduled outages for the month.

NON-SCHEDULED OUTAGES:

- Boiler #1 was taken offline 48 hours for routine cleaning
- Boiler #3 was taken offline 41.4 hours for routine cleaning.
- The Turbine/Generator was offline 54.9 hours due to a tripping condition caused by a filter changeover.

4.0 Safety and Environmental:

0 OSHA recordable accidents.

The facility experienced no reportables and one (1) reportable exempt air emission permit limit exceedance for CO during the month of June 2011.

5.0 MBE/WBE Participation

As June 31, 2011 there were Forty Six (46) workers employed by Covanta at the facility.

City Residents 17 % Total City Employees			Minority Employees 24% Total Employees			Women 8% Total Employees		
Afro-American	5	62 %	Afro-American	6	50 %	Afro-American	1	25 %
Caucasian	2	25 %	Female	4	40 %	Caucasian	3	75 %
Hispanic	1	12 %	Hispanic	1	10 %			
TOTAL # City Residents	8	100%	TOTAL # Minority Employ.	11	100%	TOTAL # Women	4	100%