

The Harrisburg Authority
Harrisburg Resource Recovery Facility
Monthly Operating Report
August 2009

Prepared by Covanta Harrisburg, Inc.

August 1st, 2009 to August31st, 2009

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1.0 Summary

This Harrisburg Resources Recovery Operating Report covers the period of August 1, 2009 to August 31, 2009.

WASTE VOLUMES:

Waste volume received for August was 21,691 tons which represents a decrease of 1,552 tons from July. 3,886 tons of long-haul spot waste was received in August.

Covanta is currently working with THA personnel in the effort to secure supplemental waste flows for the facility.

ENERGY SALES:

Covanta corporate resources are assisting THA personnel with the renegotiation of the Power Purchase Agreement.

OUTAGE ACTIVITY:

There was an 8 day scheduled major outage on Unit # 2 that included the following:

- Replacement of the Lower Feed Chute and associated refractory.
- Installation of 150 sq. ft. of Inconel.
- Refurbish Ash Removal Drag Chain.
- Installation of the Quench Spray Nozzle.
- UT and Boiler Integrity Inspections.

COMMUNITY ACTIVITY:

- The facility donated food supplies to a local day care facility that was being negatively impacted by the budget impasse.
- Equipment has been donated to a local HS athletic program.
- Covanta Harrisburg continues to support the fund raising activities of Centenary UM Church, Steelton, PA.
- Covanta Harrisburg performed a clean-up of a portion of the Harrisburg Greenbelt recreation trail and Spring Creek. Approximately two tons of trash and debris were removed.
- Covanta Harrisburg was a sponsor of the 1st Statewide Environmental Justice Conference.

2.0 Production and Performance Summary:

From: 01-Aug-2009

To: 31-Aug-2009

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	21,691	700 TPD
Non-Processible Waste	Tons	1,517	49 TPD
Refuse Processed	Tons	21,680	699 TPD
Supplemental Waste	Tons	32	0.1 % of Refuse
Ash	Tons	7,150	33.0 % of Refuse
Ferrous	Tons	501	2.3 % of Refuse
Steam	klbs	128,340	83.9 % of MCR
Steam Exported	klbs	0	0.0 Lbs Steam/Ton
Gross Electric	MWH	9,479	437.2 KWH/Ton
Net Electric	MWH	7,244	334.1 KWH/Ton

UTILITIES

	UNITS	ACTUAL	UTILITY PER TON OF REFUSE	
In-plant Power	MWH	2,235	103.1	KWH/Ton
Purchased Power	MWH	0	0.0	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	445	20.5	CuFt/Ton
Waste Water	kgals	18,884	871.0	Gal/Ton
Make-up	kgals	1,637	75.5	Gal/Ton
Make-up	% of Steam	10.63		
Potable Water	kgals	25,078	1156.7	Gal/Ton
Hydrated Lime	Tons	747	68.9	Lbs/Ton
Urea	Gals	3,963	0.18	Gal/Ton
Carbon	Tons	14	1.3	Lbs/Ton

PERFORMANCE

	UNITS	CALCULATED	TUBE LEAK INCIDENTS	
			Monthly	YTD
Refuse HHV	Btu/lb	4477		
Refuse Processed	Ref Tons	18,666	0	0
Refuse Processed	Ref TPD	602		
Gross Energy Rec.	KWH/Ref			
	Ton	507.8		
In-plant Elec.	KWH/Ref			
	Ton	119.7		

AVAILABILITY

	UNITS	MONTHLY AVAIL.	YTD AVAIL.	MONTHLY TIME ON-LINE	YTD TIME ON-LINE
Boiler 1	%	98.2%	77.2%	98.2%	68.5%
Boiler 2	%	65.8%	81.9%	65.8%	72.8%
Boiler 3	%	88.1%	85.8%	88.1%	84.1%

Avg. Boiler Availability	%	84.0%	81.6%	84.0%	75.1%
Turbine	%	99.9%	98.5%	99.9%	98.5%

3.0 MBE/WBE Participation

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

City Residents 13 % Total City Employees			Minority Employees 26 % Total Employees			Women 7 % Total Employees		
Afro-American	4	67 %	Afro-American	7	58 %	Afro-American	1	25 %
Caucasian	1	17 %	Female	4	34 %	Caucasian	3	75 %
Hispanic	1	16 %	Hispanic	1	8 %			
TOTAL # City Residents	6	100%	TOTAL # Minority Employ.	12	100%	TOTAL # Women	4	100%