

The Harrisburg Authority  
Harrisburg Resource Recovery Facility  
Monthly Operating Report  
**January 2010**

Prepared by Covanta Harrisburg, Inc.

January 1<sup>st</sup>, 2010 to January 31<sup>st</sup>, 2010

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## **1.0 Summary**

This Harrisburg Resources Recovery Operating Report covers the period January 1<sup>st</sup>, 2010 to January 31<sup>st</sup>, 2010 .

### **WASTE VOLUMES:**

Waste volume received for January was 21,118 tons which represents a decrease of 3,489 tons from December. 6,293 tons of long-haul spot waste was received in January.

Covanta continues to work in conjunction with THA personnel in the effort to secure additional waste flow 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 #1 in January. For February, there is a major outage scheduled for unit #2.

### **COMMUNITY ACTIVITY:**

- Various food donations were made to several local food banks over the holiday season.
- Covanta Harrisburg has donated supplies to a local day care center that was negatively affected by the budget impasse.
- Covanta Harrisburg sponsored a fund raising event for the Gaudenzia Foundation and the Woodside Family Center.
- Covanta Harrisburg sponsored a fund raising event for the Neighborhood Center.
- 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 1<sup>st</sup> Statewide Environmental Justice Conference.

## 2.0 Production and Performance Summary:

### HARRISBURG RESOURCE RECOVERY FACILITY

#### Production and Performance Summary

From: 1-Jan-2010 To:

31-Jan-2010

<b>DESIGN DATA</b>	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

<b>PRODUCTION</b>	<b>UNITS</b>	<b>ACTUAL PRODUCTION VALUES</b>		
Refuse Received	Tons	21,118	681	TPD
Non-Processible Waste	Tons	1,051	34	TPD
Refuse Processed	Tons	19,352	624	TPD
Supplemental Waste	Tons	109	0.6	% of Refuse
Ash	Tons	6,759	34.9	% of Refuse
Ferrous	Tons	440	2.3	% of Refuse
Steam	klbs	122,527	80.1	% of MCR
Steam Exported	klbs	0	0.0	Lbs Steam/Ton
Gross Electric	MWH	9,207	475.8	KWH/Ton
Net Electric	MWH	7,013	362.4	KWH/Ton

<b>UTILITIES</b>	<b>UNITS</b>	<b>ACTUAL</b>	<b>UTILITY PER TON OF REFUSE</b>	
In-plant Power	MWH	2,196	113.5	KWH/Ton
Purchased Power	MWH	2	0.1	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	493	25.5	CuFt/Ton
Waste Water	kgals	84	4.3	Gal/Ton
Make-up	kgals	993	51.3	Gal/Ton
Make-up	% of Steam	6.75		
Potable Water	kgals	11,585	598.6	Gal/Ton
Hydrated Lime	Tons	671	69.3	Lbs/Ton
Urea	Gals	2,696	0.14	Gal/Ton
Carbon	Tons	16	1.7	Lbs/Ton

<b>PERFORMANCE</b>	<b>UNITS</b>	<b>CALCULATED</b>	<b>TUBE LEAK INCIDENTS</b>	
Refuse HHV	Btu/lb	5,044	Monthly	YTD
Refuse Processed	Ref Tons	18,771	0	0
Refuse Processed	Ref TPD	606		
Gross Energy Rec.	KWH/Ref Ton	490.5		
In-plant Elec.	KWH/Ref Ton	117.0		

<b>AVAILABILITY</b>	<b>UNITS</b>	<b>MONTHLY AVAIL.</b>	<b>YTD AVAIL.</b>	<b>MONTHLY TIME ON-LINE</b>	<b>YTD TIME ON-LINE</b>
Boiler 1	%	68.5%	68.5%	68.5%	68.5%
Boiler 2	%	92.0%	92.0%	76.6%	76.6%
Boiler 3	%	100.0%	100.0%	100.0%	100.0%
Avg. Boiler Avail.	%	86.9%	86.9%	81.7%	81.7%
Turbine	%	99.9%	99.9%	99.9%	99.9%

### 3.0 O&M Activities:

#### SCHEDULED OUTAGES:

A major outage on unit #1 was completed in January. There is a major outage scheduled for unit #2 in February.

#### NON-SCHEDULED OUTAGES:

Unit #1 experienced 25.9 hours of downtime due to an ash roller jam.  
 Unit #2 experienced 59.5 hours of downtime due to grate clinkering.

### 4.0 Safety and Environmental:

There were 1 OSHA recordable accidents and 0 OSHA violations or citations for the month of January.

There were 3 reportable exceedances for the month of January; all for CO. There were no reportable exempt air emission permit limit exceedances for January.

### 5.0 MBE/WBE Participation

As of January 31<sup>st</sup>, there were Forty Five (45) workers employed by Covanta at the facility.

City Residents 13 % Total City Employees			Minority Employees 23 % Total Employees			Women 6 % 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%