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

Prepared by Covanta Harrisburg, Inc.

November 1st, 2009 to November 30th, 2009

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1.0 Summary

This Harrisburg Resources Recovery Operating Report covers the period of November 1, 2009 to November 30, 2009.

WASTE VOLUMES:

Waste volume received for November was 23,268 tons which represents an increase of 1,460 tons from October. 7,371 tons of long-haul spot waste was received in November.

Covanta continues to work in conjunction with THA personnel in the effort to secure additional waste flow for the facility.

ENERGY SALES:

The current energy sale agreement with PP&L expires on 12/31/09. THA has entered in to a agreement with PJM to sell electricity in to the wholesale market.

OUTAGE ACTIVITY:

There were no outage activities for the month of November.

COMMUNITY ACTIVITY:

- 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 1st Statewide Environmental Justice Conference.

2.0 Production and Performance Summary:

HARRISBURG RESOURCE RECOVERY FACILITY

Production and Performance Summary

From: 01-Nov-2009

To: 31-Nov-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	23,268	776	TPD
Non-Processible Waste	Tons	1,176	39	TPD
Refuse Processed	Tons	21,594	720	TPD
Supplemental Waste	Tons	15	0.1	% of Refuse
Ash	Tons	7,435	34.4	% of Refuse
Ferrous	Tons	497	2.3	% of Refuse
Steam	klbs	137,878	93.1	% of MCR
Steam Exported	klbs	0	0.0	Lbs Steam/Ton
Gross Electric	MWH	10,643	492.9	KWH/Ton
Net Electric	MWH	8,391	388.6	KWH/Ton

UTILITIES	UNITS	ACTUAL	UTILITY PER TON OF REFUSE	
In-plant Power	MWH	2,260	104.7	KWH/Ton
Purchased Power	MWH	8	0.4	KWH/Ton
Aux Fuel Oil	kgals	0.00	0.0	Gal/Ton
Aux Natural Gas	kCuFt	790	36.6	CuFt/Ton
Waste Water	kgals	10	0.5	Gal/Ton
Make-up	kgals	1,155	53.5	Gal/Ton
Make-up	% of Steam	6.98		
Potable Water	kgals	14,165	656.0	Gal/Ton
Hydrated Lime	Tons	1,148	106.3	Lbs/Ton
Urea	Gals	7,304	0.34	Gal/Ton
Carbon	Tons	10	0.9	Lbs/Ton
PERFORMANCE	UNITS	CALCULATED	TUBE LEAK INCIDENTS	
Refuse HHV	Btu/lb	4,893	Monthly	YTD
Refuse Processed	Ref Tons	20,319	0	0
Refuse Processed	Ref TPD	677		
Gross Energy Rec.	KWH/Ref Ton	523.8		
In-plant Elec.	KWH/Ref Ton	111.2		

AVAILABILITY	UNITS	MONTHLY AVAIL.	YTD AVAIL.	MONTHLY TIME ON-LINE	YTD TIME ON-LINE
Boiler 1	%	100.0%	81.8%	92.3%	73.4%
Boiler 2	%	71.1%	82.9%	71.1%	76.3%
Boiler 3	%	97.4%	86.1%	97.4%	84.4%
Avg. Boiler Avail.	%	89.5%	83.6%	86.9%	78.0%
Turbine	%	99.6%	97.9%	99.6%	97.9%

3.0 MBE/WBE Participation

As of November 30, there were Forty Four (44) workers employed by Covanta at the facility.

City Residents 16 % Total City Employees			Minority Employees 25 % Total Employees			Women 6 % Total Employees		
Afro-American	5	72 %	Afro-American	7	64 %	Afro-American	1	34 %
Caucasian	1	14 %	Female	3	27 %	Caucasian	2	66 %
Hispanic	1	14 %	Hispanic	1	9 %			
TOTAL # City Residents	7	100%	TOTAL # Minority Employ.	11	100%	TOTAL # Women	3	100%