

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 1388 and PSDTX631M1

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
HS-1	Harrington Station Unit No. 1 369 MW Coal-Fired Electric Generating Unit (5)	SO <sub>2</sub>	4,293	15,080
		CO	1,634	5,247
		NO <sub>x</sub>	1,452	3,975
		PM	359	1,257
		PM <sub>10</sub>	359	1,257
		PM <sub>2.5</sub>	322	1,128
		VOC	13.3	58.3
		Fluoride (as HF)	19	67.8
		Hydrogen Chloride	10.4	45.6
		Beryllium	0.0111	0.04
HS-2	Harrington Station Unit No. 1 Fly Ash Bin Vent Baghouse	PM	0.17	0.76
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.01	0.05
HS-2A	Ash Handling System Pump A Discharge	PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.04	0.19
HS-2B	Ash Handling System Pump B Discharge	PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.04	0.19
MSS-FUG	Maintenance, Startup, and Shutdown (MSS) Fugitives	SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		PM	7.39	4.95
		PM <sub>10</sub>	1.91	1.19
		PM <sub>2.5</sub>	0.29	0.18
		VOC	33.50	0.42

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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (TAC) § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - particulate matter emissions, as defined in Title 30 TAC § 101.1, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - particulate matter emissions equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>  
PM<sub>2.5</sub> - direct particulate matter emissions equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
HF - hydrogen fluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) The lbs/hour and tpy emission limits specified in the MAERT for this facility include emissions from the facility during both normal operations and planned MSS activities.

Date: February 13,  
2014