Emission Sources - Maximum Allowable Emission Rates

Permit Number 4180A

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* (4)	
			lbs/hour	TPY
6	Boiler Stack 4,972.5 MMBtu/Hr ** Lignite Fuel Input	NO_x (5)	2486.5	4210.3
		CO (5)	1640.0	3664.0
		PM_{10}	437.5	1300.0
		PM (6)	1803.05	---
		VOC	---	18.19
		VOC (6)	27.00	---
		SO_2	5967.7**	17075.0
		Pb	---	0.89
FE-1	Lignite Truck Hopper	PM_{10} (7)	0.09	0.14
FE-2	Primary Lignite Braker	PM_{10} (7)	0.63	0.83
FE-3	Lignite Telescopic Chute	PM_{10} (7)	0.09	0.07
FE-4	Lignite Silo 1A, 1B	PM_{10} (7)	0.09	0.03
FE-5	Lignite Ready Pile	PM_{10} (7)	0.01	0.03
FE-6	Lignite Silo Reclaim	PM_{10} (7)	0.07	0.12
FE-7	Lignite Crusher Building	PM_{10} (7)	1.10	1.86
FE-8	Lignite Transfer Tower	PM_{10} (7)	0.04	0.08
FE-9	Lignite North Boiler Bins	PM_{10} (7)	0.02	0.04
FE-10	Lignite South Boiler Bins	PM_{10} (7)	0.02	0.04
FE-14	Lignite Dead Storage Pile Fugitives	PM_{10} (7)	0.15	0.61
FE-15	Limestone Slurry/Ash Fixation Fugitives	PM_{10} (7)	0.01	0.04

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FE-16	Lignite Slurry/Ash to Truck Fugitives	PM_{10} (7)	0.01	0.03
FE-17	Fly Ash Silo to Truck Fugitives	PM_{10} (7)	0.01	0.01
FE-18	Limestone Storage Pile	PM (7)	0.04	0.06
		PM_{10} (7)	0.02	0.03
		$PM_{2.5}$ (7)	0.01	0.01
MSSFUG	Planned Sitewide MSS Activity Emissions	NO_x (7)	0.56	0.04
		CO (7)	0.13	0.01
		SO_2 (7)	0.05	0.01
		PM (7)	7.75	0.12
		PM_{10} (7)	3.79	0.05
		$PM_{2.5}$ (7)	0.61	0.01
		VOC (7)	1.10	0.88

(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 § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
CO - carbon monoxide
Pb - lead
(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted. For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(5) The current annual enforceable NO_x and CO emission rates shown on the maximum allowable emission rates table, are as authorized by Standard Permit Number 54118, issued March 6, 2003, and amended December 10, 2004. If this standard permit becomes void, the authorized annual emission rate will revert to 8,054.8 tpy of NO_x and 1,180.0 tpy of CO.
(6) MSS hourly emission limit only. The tpy emission limit represented in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
(7) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Emission Sources - Maximum Allowable Emission Rates

24 Hrs/day 7 Days/week 48 Weeks/year or 8,064 Hrs/year

Based on a maximum hourly unloading rate of 1,400 tons and a maximum hourly handling rate of 501 tons of lignite to the facility's boiler, 50 tons of limestone to the facility's ball mill, and 105 tons of fly ash and a maximum annual throughput of 3,959,263 tons of lignite, 288,120 tons of limestone, and 829,786 tons of fly ash. **(8/04)**

** Three-hour averages **(3/00)**

Date: April 1, 2013