

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 4980 and PSDTX28M1

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 (8)**	TPY***
S03	Unit 4 Main Boiler	NO <sub>x</sub>	3983	2488
		SO <sub>2</sub> (6)	6828	29907
		CO (5)	7636	33447
		VOC	434	190
		PM (6)	569	2492
		PM <sub>10</sub> (6)	569	2492
		PM <sub>2.5</sub>	569	2492
		PM (7)	3763.2	--
		Pb	2	1
		Pb (7)	4.13	--
		Hg	0.83	0.69
		HF	163	714
		H <sub>2</sub> SO <sub>4</sub> (6)	208	623
		Ammonia	52	91
S01	Unit 4 Start-Up Boiler East	NO <sub>x</sub>	38.4	16.8
		CO	80.0	3.5
		PM (6)	5.3	2.3
		PM <sub>10</sub> (6)	5.3	2.3
		PM <sub>2.5</sub>	5.3	2.3

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		SO <sub>2</sub> (6)	90.9	39.8
		VOC	3.2	0.14
		Pb	0.01	0.01
S01	Unit 4 Start-Up Boiler West	NO <sub>x</sub>	38.4	16.8
		CO	80.0	3.5
		PM (6)	5.3	2.3
		PM <sub>10</sub> (6)	5.3	2.3
		PM <sub>2.5</sub>	5.3	2.3
		SO <sub>2</sub> (6)	90.9	39.8
		VOC	3.2	0.14
		Pb	0.01	0.01
S4SS	Unit 4 Sorbent Silo	PM	0.069	0.3
		PM <sub>10</sub>	0.047	0.21
		PM <sub>2.5</sub>	0.011	0.05
SD4AMMPF	Fugitive Leaks	Ammonia	0.07	0.3
MSS-FUG	MSS Fugitives	VOC	34.82	0.36
		PM	4.18	2.91
		NO <sub>x</sub>	0.01	0.01
		Ammonia/Urea	14.02	0.14
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01

- (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<sub>x</sub> - total oxides of nitrogen

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- SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - total particulate matter equal to or less than 2.5 microns in diameter, as represented  
CO - carbon monoxide  
Pb - lead  
Hg - mercury  
HF - hydrogen fluoride  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist
- (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.
- (5) Emissions authorized by Standard Permit Number 54805.
- (6) Emission limits applicable to State and PSD Permit.
- (7) 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.
- (8) 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.
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:  
\_\_\_\_Hrs/day \_\_\_\_Days/week \_\_\_\_Weeks/year or 8,760 Hrs/year
- \*\* Compliance with NO<sub>x</sub>, PM/PM<sub>10</sub>, SO<sub>2</sub>, VOC, lead, HF, mercury, ammonia, and H<sub>2</sub>SO<sub>4</sub> hourly emission limits is determined on a block 3-hour average basis. Compliance with the CO hourly emission limit is determined on a rolling 30-day average basis.
- \*\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Date: \_\_\_\_\_