Emission Sources - Maximum Allowable Emission Rates

Permit Number 2401

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 (5)	TPY (6)
S1	Unit No. 1 Boiler	SO_2 (7)	--	--
		NO_x (7)	--	--
		$PM/PM_{10}/PM_{2.5}$ (7)	--	--
		PM (10)	2415.7	--
		CO (9)	7744	33918
		VOC (8)	404	177
		Hg (8)	0.78	0.68
		Pb (8)	2.0	1.0
		Pb (10)	3.52	--
S2	Unit No. 2 Boiler	SO_2 (7)	--	--
		NO_x (7)	--	--
		$PM/PM_{10}/PM_{2.5}$ (7)	--	--
		PM (10)	2415.7	--
		CO (9)	7744	33918
		VOC (8)	404	177
		Hg (8)	0.78	0.68
		Pb (8)	2.0	1.0
		Pb (10)	3.52	--
S3	Unit No. 3 Boiler	SO_2	9468	41469
		NO_x	5523	18939
		PM	800	3504
		PM_{10}	800	3504
		$PM_{2.5}$	800	3504
		PM (10)	2249.1	--

Emission Sources - Maximum Allowable Emission Rates

		CO	9098	39849
		VOC	38	153
		Hg	0.86	0.76
		Pb	2.05	0.99
		Pb (10)	3.02	--
S3S	Unit No. 2 and 3 Start-up Boilers (11)	NO_x	220	--
		SO_2	586	--
		PM	74	--
		PM_{10}	74	--
		$PM_{2.5}$	74	--
		CO	34	--
		VOC	2	--
MSS-FUG	MSS Fugitives	VOC	50.13	0.43
		PM	4.19	2.87
		Ammonia/Urea	16.11	0.16
		NO_x	0.01	0.01
		CO	0.01	0.01
		SO_2	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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - total particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Pb - lead
Hg - mercury
(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) Compliance with NO_x, PM, PM_{10}, SO_2, VOC, and Hg hourly emissions is determined on a block 3-hour average basis. Compliance with the CO hourly emission limit is determined on a 30-day average basis. 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.
(6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(7) The NO_x, SO_2, and PM emission limitations for Unit 1 and 2 are authorized by Permit Number 45432.
(8) The VOC, Pb and Hg emission limitations for Unit 1 and 2 are authorized by Permit Number 56384.
(9) The CO emission limitations for Unit 1 and 2 are authorized by Standard Permit Number 54808.

Emission Sources - Maximum Allowable Emission Rates

(10) 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.
(11) The combined total annual emissions from EPNs S3S and S3 shall not exceed the allowable annual emission rates for EPN S3.

Date: January 19, 2017