Emission Sources - Maximum Allowable Emission Rates

Permit Number 933

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**
S-1	Steam Generator Unit No. 1 (Coal-Fired Steam Generator)	CO	9174	40183
		NO_x	5118	16813
		PM	853	3736
		PM (6)	2940	--
		SO_2	10236	44834
		VOC	473	207
		Pb	2.2	1
		Pb (6)	4.56	--
		HF	177	777
		H_2SO_4	57	251
		Hg	0.91	0.80
S-2	Steam Generator Unit No. 2 (Coal-Fired Steam Generator)	CO	9174	40183
		NO_x	5118	16813
		PM	853	3736
		PM (6)	2940	--
		SO_2	10236	44834
		VOC	473	207
		Pb	2.2	1
		Pb (6)	4.56	--
		HF	177	777
		H_2SO_4	57	251

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		Hg	0.91	0.80
S-3	Steam Generator Unit No. 3 (Coal-Fired Steam Generator)	CO	9174	40183
		NO_x	5118	16813
		PM	853	3736
		PM (6)	2940	--
		SO_2	10236	44834
		VOC	473	207
		Pb	2.2	1
		Pb (6)	4.56	--
		HF	177	777
		H_2SO_4	57	251
		Hg	0.91	0.80
S1 A and B	Auxiliary Boiler A (250 MMBtu/hr)	CO	90.6	--
		NO_x	43.5	--
		PM	3.6	--
		SO_2	142.2	--
		VOC	3.6	--
		Pb	0.01	--
S1 A and B	Auxiliary Boiler B (250 MMBtu/hr)	CO	90.6	--
		NO_x	43.5	--
		PM	3.6	--
		SO_2	142.2	--
		VOC	3.6	--
		Pb	0.01	--
LMA1F	Limestone System - Transfer From Railcar to A Side Receiving	PM	0.02	0.01
		PM_{10}	0.01	0.01

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	Hopper			
LMA2F	Limestone System - Transfer From Receiving Hopper A to Conveyor C-30	PM	0.02	0.01
		PM_{10}	0.01	0.01
LMA3F	Limestone System - Transfer From Conveyor C-30 to Conveyor C-4	PM	0.02	0.01
		PM_{10}	0.01	0.01
LMA4F	Limestone System - Transfer From Conveyor C-30 to Pile	PM	0.05	0.03
		PM_{10}	0.02	0.01
LMA5WF/	Limestone System - Limestone Storage	PM	0.29	1.28
LMA5MF	Pile A/Wind and Maintenance Fugitives	PM_{10}	0.15	0.64
LMA6F	Limestone System Underground Reclaim Transfer to Conveyor 2A	PM	0.01	0.01
		PM_{10}	0.003	0.01
LMB1F	Limestone System - Transfer From Railcar B Side Receiving Hopper	PM	0.02	0.01
		PM_{10}	0.01	0.01
LMB2F	Limestone System - Transfer From Receiving Hopper B to Conveyor C-1A	PM	0.02	0.01
		PM_{10}	0.01	0.01
LMB3F	Limestone System - Tower No. 1 Transfers (C-1A and C-4) to Conveyor C-1B	PM	0.02	0.01
		PM_{10}	0.01	0.01
LMB4F	Limestone System - Shuttle Conveyor C-1B to Conveyor C-1C	PM	0.10	0.03
		PM_{10}	0.05	0.01
LMB5F	Limestone System - Conveyor C-1C Transfer to System B Storage Pile	PM	0.50	0.13
		PM_{10}	0.24	0.06
LMB6F	Limestone System - Transfer From System B	PM	0.08	0.13

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		PM_{10}	0.04	0.06
LMB7F	Limestone System - Tower No. 2 Transfer From Conveyor C-2 to C-3	PM	0.01	0.01
		PM_{10}	0.003	0.01
LMB8F	Limestone System - Conveyors C-3 and C-24 Transfers into Surge Bins	PM	0.004	0.01
		PM_{10}	0.002	0.003
LMB9F	Limestone System - Transfer From Ball Mill Surge Silos to Conveyors A, B, C, and D	PM	0.06	0.13
		PM_{10}	0.03	0.06
LMB10F	Limestone System - Transfer From Conveyors A, B, C, and D into Ball Mills	PM	0.06	0.13
		PM_{10}	0.03	0.06
MSS-FUG	MSS Fugitives	VOC	61.84	0.70
		PM	4.09	2.86
		Ammonia/Urea	26.15	0.36
		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
CO - carbon monoxide
Pb - lead
Hg - mercury

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HF - hydrogen fluoride
H_2SO_4 - 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) Compliance with NO_x, PM, PM_{10}, SO_2, VOC, Pb, HF, H_2SO_4, 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) 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.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** Compliance with all annual emission limits is based on a calendar year. Only for purposes of demonstrating compliance for EPN S1A and B, total combined actual annual emissions from EPNs S1A and B, S-1, S-2, and S-3 shall not exceed the total allowable annual emission rates for EPNs S-1, S-2, and S-3.

Date: _____