

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 79188 and PSD-TX-1072

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. 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 *	
			lb/hr	TPY**
NORMAL OPERATIONS INCLUDING PLANNED STARTUP AND SHUTDOWN				
LMS3	Unit 3 Pulverized Coal Boiler 8,000 MMBtu/hr Nominal 800MW Gross	NO <sub>x</sub>	1,600	1,752
		SO <sub>2</sub>	2,400	2,102
		CO	4,480	5,256
		VOC	136	126
		PM <sub>10</sub> (filter)	120	526
		PM <sub>10</sub> (total)	280	1,226
		H <sub>2</sub> SO <sub>4</sub>	60	263
		NH <sub>3</sub>	46.2	202
		HF	38.6	24.5
		HCl	127.7	81.7
		Hg	0.88	0.07
		Pb	0.16	0.40
AUX	Auxiliary Boiler 155MMBtu/hr	NO <sub>x</sub>	5.58	2.44
		SO <sub>2</sub>	0.1	0.04
		CO	12.4	5.43
		VOC	0.84	0.37
		PM <sub>10</sub>	1.2	0.51
FH-10	Fuel Handling Storage Pile	PM	9.41	41.19
		PM <sub>10</sub>	1.79	7.83
FH-15	LMS3 Fuel Handling Railcar Unloader	PM	0.66	2.91
		PM <sub>10</sub>	0.31	1.38
FH-15A	Fuel Handling Conveyor C1A	PM	0.52	2.29
		PM <sub>10</sub>	0.25	1.08
FH-16	Fuel Handling Transfer Tower	PM	0.09	0.42

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

FH-16A	TT1	PM <sub>10</sub>	0.04	0.20
	Fuel Handling Conveyor C1A	PM	0.26	1.15
		PM <sub>10</sub>	0.12	0.54
FH-17	Fuel Handling Transfer Tower	PM	0.13	0.58
	TT2	PM <sub>10</sub>	0.06	0.28
FH-17A	Fuel Handling Conveyor C1A	PM	0.20	0.89
		PM <sub>10</sub>	0.10	0.42
FH-17B	Fuel Handling Conveyor C1A	PM	0.66	2.91
		PM <sub>10</sub>	0.31	1.38
FH-17C	Fuel Handling Conveyor C1A	PM	0.12	0.50
		PM <sub>10</sub>	0.05	0.24
FH-18	LMS3 Fuel Handling Crusher House	PM	0.83	3.65
		PM <sub>10</sub>	0.19	0.84
FH-18A	Fuel Handling Conveyor C1A	PM	0.16	0.70
		PM <sub>10</sub>	0.08	0.33
FH-18B	Fuel Handling Conveyor C1A	PM	0.16	0.70
		PM <sub>10</sub>	0.08	0.33
FH-19	Fuel Handling Transfer Tower	PM	0.04	0.17
	TT3	PM <sub>10</sub>	0.02	0.08
FH-19A	Fuel Handling Conveyor C1A	PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.03
FH-19B	Fuel Handling Conveyor C1A	PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.03
FH-20	Fuel Handling Silo gallery Baghouse Stack	PM <sub>10</sub>	0.21	0.90
FH-21	Fuel Handling Tripper Floor Baghouse Stack	PM <sub>10</sub>	0.86	3.75
FH-22	Fuel Reclaim Activities	PM	1.27	5.54
		PM <sub>10</sub>	0.60	2.62

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FH-22A	Fuel Handling Conveyor C1A	PM	0.27	1.16
		PM <sub>10</sub>	0.13	0.55
FH-22B	Fuel Handling Conveyor C1A	PM	0.13	0.55
		PM <sub>10</sub>	0.06	0.26
LM-6	Limestone Handling Storage Pile	PM	0.28	1.20
		PM <sub>10</sub>	0.05	0.23
LM-6A	Limestone Handling Conveyor L4	PM	0.69	3.04
		PM <sub>10</sub>	0.33	1.44
LM-7	LMS3 Limestone Handling Shuttle Conveyor Baghouse stack	PM <sub>10</sub>	0.77	3.38
LM-8	LMS3 Limestone Handling Reclaim Baghouse Stack	PM <sub>10</sub>	0.26	1.13
LM-9	LMS3 Limestone Handling Transfer Tower Baghouse Stack	PM <sub>10</sub>	1.29	5.63
LM-9A	Limestone Handling Conveyor L5	PM	1.41	6.16
		PM <sub>10</sub>	0.67	2.91
LM-10	LMS3 Limestone Handling Feed Silos Baghouse Stack	PM <sub>10</sub>	0.43	1.88
LM-11	LMS3 Limestone Handling Rotary Plow Baghouse Stack	PM <sub>10</sub>	0.69	3.00
LM-12	LMS3 Limestone Handling Conveyor L-5 Baghouse Stack	PM <sub>10</sub>	0.26	1.13
LM-13	LMS3 Limestone Handling Bin Vent Filter Stacks	PM <sub>10</sub>	0.34	1.50
WH-8	Gypsum Dewatering Building	PM	0.12	0.53
		PM <sub>10</sub>	0.06	0.25
WH-8A	Gypsum Handling Conveyou G2	PM	0.002	0.011

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WH-9	Gypsum Handling Elevating Conveyour Drop	PM <sub>10</sub>	0.001	0.005
		PM	0.06	0.27
		PM <sub>10</sub>	0.03	0.13
WH-9A	Gypsum Handling Conveyor G3	PM	0.002	0.010
		PM <sub>10</sub>	0.001	0.005
WH-10	Gypsum Storage Pile	PM	0.15	0.65
		PM <sub>10</sub>	0.03	0.14
WH-11	LMS3 Bottom Ash Storage Pile Loading and Loadout	PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.03
WH-12	Waste Handling Fly Ash Silo No. 3 Baghouse Stack	PM <sub>10</sub>	0.40	1.76
WH-13	Waste Handling Fly Ash Truck Loading Operation No. 2	PM	0.02	0.03
		PM <sub>10</sub>	0.01	0.02
MCT-3	Unit 3 Main Cooling tower	PM <sub>10</sub>	6.6	28.9
ICE-1	Emergency Generator Power Block Engine	NO <sub>x</sub>	8.89	2.22
		CO	0.39	0.10
		PM <sub>10</sub>	0.065	0.016
		VOC	0.013	0.003
		SO <sub>2</sub>	0.23	0.06
ICE-2	Emergency Generator FGD Area Engine	NO <sub>x</sub>	8.89	2.22
		CO	0.39	0.10
		PM <sub>10</sub>	0.065	0.016
		VOC	0.013	0.003
		SO <sub>2</sub>	0.23	0.06
ICE-3	Emergency Generator SWDA Engine	NO <sub>x</sub>	34.83	8.71
		CO	5.43	1.36
		PM <sub>10</sub>	0.34	0.08
		VOC	1.02	0.25
		SO <sub>2</sub>	0.65	0.16
ICE-4	Emergency Fire Pump Engine	NO <sub>x</sub>	8.26	2.07
		CO	0.71	0.18
		PM <sub>10</sub>	0.15	0.04

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ETANKS	Engine Fuel Tanks	VOC	0.15	0.04
		SO <sub>2</sub>	0.13	0.03
		VOC	0.08	0.001
NGFUG	Natural Gas System Fugitives	VOC	0.11	0.49
AMFUG	SCR System Fugitives	NH <sub>3</sub>	0.20	0.89

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

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HCl	-	hydrogen chloride
HF	-	hydrogen fluoride
H <sub>2</sub> SO <sub>4</sub>	-	sulfuric acid mist
NH <sub>3</sub>	-	ammonia
Hg	-	mercury
Pb	-	lead

(4) 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:

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

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

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