

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 8579 and PSDTX371M4

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*	
			lbs/hour (5)	TPY (5) (6)
FH-1A	Fuel Handling Lignite Mine Transfer Silo	PM	0.5	2.19
		PM <sub>10</sub>	0.24	1.05
FH-1B	Fuel Handling Overland Conveyor	PM	4.3	7.92
		PM <sub>10</sub>	2.04	3.75
FH-1C	Fuel Handling Transfer Tower No. 4	PM	0.25	1.1
		PM <sub>10</sub>	0.12	0.53
FH-2	Fuel Handling Transfer Tower No. 1Y	PM	1.51	6.61
		PM <sub>10</sub>	0.72	3.15
FH-3A	Fuel Handling Active Storage Pile A Reclaim	PM	1.01	4.42
		PM <sub>10</sub>	0.48	2.1
FH-3B	Fuel Handling Active Storage Pile B Reclaim	PM	1.01	4.42
		PM <sub>10</sub>	0.48	2.1
FH-4	Fuel Handling Crusher House	PM	0.76	3.33
		PM <sub>10</sub>	0.36	1.58
FH-5	Fuel Handling Transfer Tower No. 2	PM	0.76	3.33
		PM <sub>10</sub>	0.36	1.58
FH-6	Fuel Handling Transfer Tower No. 3	PM	1.01	4.42
		PM <sub>10</sub>	0.48	2.1
FH-8A	Fuel Handling Silo Gallery A Unit No. 1	PM	0.76	3.33
		PM <sub>10</sub>	0.36	1.58
FH-8B	Fuel Handling Silo	PM	0.76	3.33

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		PM <sub>10</sub>	0.36	1.58
FH-8C	Fuel Handling Silo Gallery C Unit No. 2	PM	0.76	3.33
		PM <sub>10</sub>	0.36	1.58
FH-8D	Fuel Handling Silo Gallery D Unit No. 2	PM	0.76	3.33
		PM <sub>10</sub>	0.36	1.58
FH-9A	Fuel Handling Active Storage Pile A (4)	PM	--	1.58
		PM <sub>10</sub>	--	0.78
FH-9B	Fuel Handling Active Storage Pile B (4)	PM	--	1.58
		PM <sub>10</sub>	--	0.78
FH-10	Fuel Handling Inactive Storage Pile (4)	PM	--	18.34
		PM <sub>10</sub>	--	8.99
FH-11	Fuel Handling Emergency Storage Pile (4)	PM	--	0.42
		PM <sub>10</sub>	--	0.21
FH-12	Fuel Handling Transfer Tower TT- 31	PM	0.91	1.13
		PM <sub>10</sub>	0.43	0.54
FH-13	Fuel Handling Railcar Unloader Conveyor C31 (4)	PM	0.42	0.52
		PM <sub>10</sub>	0.2	0.25
FH-14	Fuel Handling Railcar Unloader (4)	PM	1.15	1.44
		PM <sub>10</sub>	0.54	0.68
LAS-1A	Fuel Handling Lime Addition Silo A Baghouse Stack	PM <sub>10</sub>	0.08	0.28
LAS-1B	Fuel Handling Lime Addition Silo B Baghouse Stack	PM <sub>10</sub>	0.08	0.28
LM-1A	Limestone Handling Railcar Unloading Facility (4)	PM	0.6	0.3
		PM <sub>10</sub>	0.3	0.15
LM-1	Limestone Handling Unloader and	PM <sub>10</sub>	1.29	5.65

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	Hopper Vault Baghouse Stack			
LM-2	Limestone Handling Shuttle Conveyor Baghouse Stack	PM <sub>10</sub>	0.77	3.37
LM-3	Limestone Handling Reclaim Baghouse Stack	PM <sub>10</sub>	0.51	2.23
LM-4	Limestone Handling Transfer Tower Baghouse Stack	PM <sub>10</sub>	1.71	7.49
LM-5	Limestone Handling Feed Silos Baghouse Stack	PM <sub>10</sub>	0.61	2.67
LM-6	Limestone Handling Storage Pile (4)	PM	--	0.42
		PM <sub>10</sub>	--	0.21
WH-1A	Waste Handling Fly Ash Silo No. 1 Baghouse Stack	PM <sub>10</sub>	1.59	6.96
WH-1B	Waste Handling Fly Ash Silo No. 2 Baghouse Stack	PM <sub>10</sub>	1.59	6.96
WH-1C	Waste Handling Fly Ash Truck Loading Operation (4)	PM	0.95	0.19
		PM <sub>10</sub>	0.26	0.05
WH-1D	Waste Handling Fly Ash Bag Loading Operation (4)	PM	0.03	0.13
		PM <sub>10</sub>	0.02	0.08
WH-1E	Waste Handling Fly Ash Truck Loading Operation (4)	PM	0.95	0.19
		PM <sub>10</sub>	0.26	0.05
WH-1F	Waste Handling Fly Ash Truck to Railcar Loading Operation (4)	PM	0.95	0.19
		PM <sub>10</sub>	0.26	0.05
WH-2A	Waste Handling Fly Ash Storage Silo A Baghouse Stack	PM <sub>10</sub>	1.15	5.04
WH-2B	Waste Handling Fly Ash Storage Silo B Baghouse Stack	PM <sub>10</sub>	1.15	5.04

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WH-2C	Waste Handling Fly Ash Storage Silo C Baghouse Stack	PM <sub>10</sub>	1.15	5.04
WH-4A	Waste Handling Pugmill A Wet Scrubber Stack	PM <sub>10</sub>	0.17	0.74
WH-4B	Waste Handling Pugmill B Wet Scrubber Stack	PM <sub>10</sub>	0.17	0.74
WH-4C	Waste Handling Pugmill C Wet Scrubber Stack	PM <sub>10</sub>	0.17	0.74
WH-5A	Waste Handling Stabilized Sludge Conveyor A (4)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
WH-5B	Waste Handling Stabilized Sludge Conveyor B (4)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
WH-5C	Waste Handling Stabilized Sludge Conveyor C (4)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
WH-6A	Waste Handling Stabilized Sludge Conveyor Stackout A (4)	PM	--	0.34
		PM <sub>10</sub>	--	0.17
WH-6B	Waste Handling Stabilized Sludge Conveyor Stackout B (4)	PM	--	0.34
		PM <sub>10</sub>	--	0.17
WH-6C	Waste Handling Stabilized Sludge Conveyor Stackout C (4)	PM	--	0.34
		PM <sub>10</sub>	--	0.17
LF-1	Waste Handling Landfill (4)	PM	--	26.17
		PM <sub>10</sub>	--	13.1
MCT-1	Unit 1 Main Cooling Tower	PM <sub>10</sub>	5.78	21.11
MCT-2	Unit 2 Main Cooling Tower	PM <sub>10</sub>	5.78	21.11
ACT-1	Auxiliary Cooling Tower No. 1	PM <sub>10</sub>	0.29	0.95

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ACT-2	Auxiliary Cooling Tower No. 2	PM <sub>10</sub>	0.29	0.95
AC-1	Indoor Abrasive Cleaning and Painting Facility Baghouse Stack	PM <sub>10</sub>	2.57	2.67
		VOC	5.42	0.79
AC-2	Outdoor Abrasive Cleaning and Painting Facility (4)	PM	1.43	0.57
		PM <sub>10</sub>	0.17	0.07
AC-2A	Outdoor Spray Painting Facility (4)	PM	7.04	1.23
		PM <sub>10</sub>	3.52	0.62
		VOC	5.42	0.79
BATL-1	Bottom Ash Truck Loading (4)	PM	0.94	2.54
		PM <sub>10</sub>	0.47	1.27
RCUL01	Temporary Railcar Unloader Baghouse Stack	PM <sub>10</sub>	0.55	0.51
MSS FUG	Miscellaneous Site-Wide Maintenance Activities	VOC	156.36	4.89
		PM	3.33	4.95
		PM <sub>10</sub>	3.10	2.73
		PM <sub>2.5</sub>	2.92	1.04
		NO <sub>x</sub>	0.38	0.16
		CO	0.36	0.05
		SO <sub>2</sub>	0.02	0.01
		NH <sub>3</sub>	7.72	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

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

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

CO - carbon monoxide

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

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NH<sub>3</sub> - ammonia

(4) Fugitive emissions are an estimate only.

(5) 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.

(6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

\* 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

Maximum fuel throughput: Lignite 3,600 tons/hour and 14,000,000 tons/year

Western coal: 3,600 tons/hour and 9,000,000 tons/year

Petcoke: 3,600 tons/hour and 2,000,000 tons/year

The maximum combined fuel throughput shall not exceed 14,000,000 tons/year.

Date: October 2, 2012