

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8579 and PSD-TX-371M4

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*
FH-1A	Fuel Handling Lignite Mine Transfer Silo Baghouse Stack	PM ₁₀	2.23	9.77
FH-1B	Fuel Handling Overland Conveyor	PM	4.30	7.92
		PM ₁₀	2.04	3.75
FH-1C	Fuel Handling Transfer Tower No. 4 Baghouse Stack	PM ₁₀	1.37	6.00
FH-2	Fuel Handling Transfer Tower No. 1Y Baghouse Stack	PM ₁₀	5.25	23.00
FH-3A	Fuel Handling Active Storage Pile A Reclaim Baghouse Stack	PM ₁₀	1.89	8.28
FH-3B	Fuel Handling Active Storage Pile B Reclaim Baghouse Stack	PM ₁₀	1.89	8.28
FH-4	Fuel Handling Crusher House Baghouse Stack	PM ₁₀	3.77	16.51
FH-5	Fuel Handling Transfer Tower No. 2 Baghouse Stack	PM ₁₀	2.01	8.80
FH-6	Fuel Handling Transfer Tower No. 3 Baghouse Stack	PM ₁₀	3.89	17.04
FH-8A	Fuel Handling Silo Gallery A Unit No. 1 Baghouse Stack	PM ₁₀	1.66	7.27

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			lb/hr	TPY*
FH-8Ah	Fuel Handling Silo Gallery A Unit No. 1 Helper Baghouse Stack	PM ₁₀	0.49	2.15
FH-8B	Fuel Handling Silo Gallery B Unit No. 1 Baghouse Stack	PM ₁₀	1.66	7.27
FH-8Bh	Fuel Handling Silo Gallery B Unit No. 1 Helper Baghouse Stack	PM ₁₀	0.49	2.15
FH-8C	Fuel Handling Silo Gallery C Unit No. 2 Baghouse Stack	PM ₁₀	1.66	7.27
FH-8Ch	Fuel Handling Silo Gallery C Unit No. 2 Helper Baghouse Stack	PM ₁₀	0.49	2.15
FH-8D	Fuel Handling Silo Gallery D Unit No. 2 Baghouse Stack	PM ₁₀	2.23	9.77
FH-8Dh	Fuel Handling Silo Gallery D Unit No. 2 Helper Baghouse Stack	PM ₁₀	0.49	2.15
FH-9A	Fuel Handling Active Storage Pile A (4)	PM	---	3.24
		PM ₁₀		1.56
FH-9B	Fuel Handling Active Storage Pile B (4)	PM	--	3.24
		PM ₁₀		1.56
FH-10	Fuel Handling Inactive Storage Pile (4)	PM	--	18.40
		PM ₁₀		9.02
FH-11	Fuel Handling Emergency Storage Pile (4)	PM	--	0.42
		PM ₁₀	--	0.21
FH-12	Fuel Handling Transfer Tower TT-31 Baghouse Stack	PM	0.50	2.21
		PM ₁₀	0.24	1.05
FH-13	Fuel Handling Railcar Unloader	PM	0.42	0.52

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			<u>lb/hr</u>	<u>TPY*</u>
	Conveyor C31 (4)	PM ₁₀	0.20	0.25
FH-14	Fuel Handling Railcar Unloader (4)	PM	1.15	1.44
		PM ₁₀	0.54	0.68
LAS-1A	Fuel Handling Lime Addition Silo A Baghouse Stack	PM ₁₀	0.63	0.25
LAS-1B	Fuel Handling Lime Addition Silo B Baghouse Stack	PM ₁₀	0.63	0.25
LM-1A	Limestone Handling Railcar Unloading Facility (4)	PM	0.60	0.30
		PM ₁₀	0.30	0.15
LM-1	Limestone Handling Unloader and Hopper Vault Baghouse Stack	PM ₁₀	1.29	5.65
LM-2	Limestone Handling Shuttle Conveyor Baghouse Stack	PM ₁₀	0.77	3.37
LM-3	Limestone Handling Reclaim Baghouse Stack	PM ₁₀	0.51	2.23
LM-4	Limestone Handling Transfer Tower Baghouse Stack	PM ₁₀	1.71	7.49
LM-5	Limestone Handling Feed Silos Baghouse Stack	PM ₁₀	0.61	2.67
LM-6	Limestone Handling Storage Pile (4)	PM	--	0.42
		PM ₁₀	--	0.21
WH-1A	Waste Handling Fly Ash Silo No. 1 Baghouse Stack	PM ₁₀	1.59	6.96

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			lb/hr	TPY*
WH-1B	Waste Handling Fly Ash Silo No. 2 Baghouse Stack	PM ₁₀	1.59	6.96
WH-1C	Waste Handling Fly Ash Truck Loading Operation (4)	PM	3.38	2.70
		PM ₁₀	1.65	1.32
WH-1D	Waste Handling Fly Ash Bag Loading Operation (4)	PM	0.11	0.47
		PM ₁₀	0.05	0.23
WH-2A	Waste Handling Fly Ash Storage Silo A Baghouse Stack	PM ₁₀	1.15	5.04
WH-2B	Waste Handling Fly Ash Storage Silo B Baghouse Stack	PM ₁₀	1.15	5.04
WH-2C	Waste Handling Fly Ash Storage Silo C Baghouse Stack	PM ₁₀	1.15	5.04
WH-4A	Waste Handling Pugmill A Wet Scrubber Stack	PM ₁₀	0.17	0.74
WH-4B	Waste Handling Pugmill B Wet Scrubber Stack	PM ₁₀	0.17	0.74
WH-4C	Waste Handling Pugmill C Wet Scrubber Stack	PM ₁₀	0.17	0.74
WH-5A	Waste Handling Stabilized Sludge Conveyor A (4)	PM	0.03	0.04
		PM ₁₀	0.02	0.02
WH-5B	Waste Handling Stabilized Sludge Conveyor B (4)	PM	0.03	0.04
		PM ₁₀	0.02	0.02
WH-5C	Waste Handling Stabilized Sludge Conveyor C (4)	PM	0.03	0.04
		PM ₁₀	0.02	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			<u>lb/hr</u>	<u>TPY*</u>
WH-6A	Waste Handling Stabilized Sludge Conveyor Stackout A (4)	PM	--	0.34
		PM ₁₀	--	0.17
WH-6B	Waste Handling Stabilized Sludge Conveyor Stackout B (4)	PM	--	0.34
		PM ₁₀	--	0.17
WH-6C	Waste Handling Stabilized Sludge Conveyor Stackout C (4)	PM	--	0.34
		PM ₁₀	--	0.17
LF-1	Waste Handling Landfill (4)	PM	--	26.2
		PM ₁₀	--	13.1
FE	Plant Roads (4)	PM	--	17.42
		PM ₁₀	--	8.71
MCT-1	Unit 1 Main Cooling Tower	PM ₁₀	5.78	21.11
MCT-2	Unit 2 Main Cooling Tower	PM ₁₀	5.78	21.11
ACT-1	Auxilliary Cooling Tower No. 1	PM ₁₀	0.29	0.95
ACT-2	Auxilliary Cooling Tower No. 2	PM ₁₀	0.29	0.95
AC-1	Indoor Abrasive Cleaning and Painting Facility Baghouse Stack	PM ₁₀	2.57	2.67
		VOC	5.42	0.79
AC-2	Outdoor Abrasive Cleaning and Painting Facility (4)	PM	1.15	0.46
		PM ₁₀	0.30	0.12
AC-2A	Outdoor Spray Painting Facility (4)	PM	7.04	1.23
		PM ₁₀	3.52	0.62
		VOC	5.42	0.79
BATL-1	Bottom Ash Truck Loading (4)	PM	0.94	2.54

PM₁₀ 0.47

1.27

Permit Numbers 8579 and PSD-TX-371M3
Page 6

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 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 PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only.

* Compliance with annual emission limits is based on a rolling 12-month 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 3,000 tons/hour and 14,000,000 tons/year

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

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

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

