

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8579 and PSD-TX-371M2

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
LM-1A	Limestone Railcar Unloading 12.6		PM	60.0
LM-1	Limestone Unloader and Hopper Vault (Baghouse)	PM	1.36	0.51
LM-2	Conveyor Transfer	PM	0.02	0.01
LM-3	Limestone Unloader and Hopper Vault (Baghouse)	PM	0.02	0.01
LM-4	Reclaim (Baghouse)	PM	0.02	0.01
LM-5	Limestone Feed Silos	PM	0.01	0.01
LM-6	Limestone Storage	PM	0.36	1.6
LH-1A	Lignite Mine Transfer Silo 0.022		PM	0.01
		PM ₁₀	<0.01	0.01
LH-1B	Lignite Overland Conveyor (4) 4.91		PM	2.11
		PM ₁₀	1.00	2.32
LH-1C	Lignite Transfer Tower No. 4 <0.01		PM	<0.01
		PM ₁₀	<0.01	<0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
LH-2	Lignite Transfer Tower No. 1 <0.01	PM		<0.01
		PM ₁₀	<0.01	<0.01
LH-3A	Lignite Active Storage Pile A Reclaim	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
LH-3B	Lignite Active Storage Pile B Reclaim	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
LH-4	Lignite Crusher House	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
LH-5	Lignite Transfer Tower No. 2 <0.01	PM		<0.01
		PM ₁₀	<0.01	<0.01
LH-6	Lignite Transfer Tower No. 3 <0.01	PM		<0.01
		PM ₁₀	<0.01	<0.01
LH-7	Lignite Outboard Tower No. 1 <0.01	PM		<0.01
		PM ₁₀	<0.01	<0.01
LH-8A	Lignite Silo Gallery A	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
LH-8B	Lignite Silo Gallery B	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
LH-8C	Lignite Silo Gallery C	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
LH-8D	Lignite Silo Gallery D	PM	<0.01	<0.01

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			lb/hr	TPY
		PM ₁₀	<0.01	<0.01
LH-9A	Lignite Active Storage Pile A (4) 2.05	PM		
		PM ₁₀		0.98
LH-9B	Lignite Active Storage Pile B (4) 2.05	PM		
		PM ₁₀		0.98
LH-10	Lignite Inactive Storage Pile (4) 18.34	PM		
		PM ₁₀		8.99
LH-11	Lignite Emergency Storage Pile (4) 0.32	PM		
		PM ₁₀		0.16
LAS-1A	Lime Addition Silo A	PM	0.20	0.14
		PM ₁₀		0.11
LAS-1B	Lime Addition Silo B	PM	0.20	0.14
		PM ₁₀		0.11
WH-1A	Unit 1 Fly Ash Silo Baghouse 1.20	PM ₁₀		1.30
WH-1B	Unit 2 Fly Ash Silo Baghouse 1.16	PM ₁₀		1.29
WH-1C**	Fly Ash Truck Loading (4) 2.70	PM ₁₀		3.38
WH-1D**	Fly Ash Bag Loading (4)	PM ₁₀	0.11	0.47

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
WH-2A	Fly Ash Storage Silo A Baghouse 0.83		PM ₁₀	0.65
WH-2B	Fly Ash Storage Silo B Baghouse 0.83		PM ₁₀	0.65
WH-2C	Fly Ash Storage Silo C Baghouse 0.83		PM ₁₀	0.65
WH-3	Waste Treatment Lime Storage <0.01 Baghouse		PM ₁₀	0.01
WH-4A	Pugmill A Rotoclone	PM PM ₁₀	0.13 0.06	0.18 0.09
WH-4B	Pugmill B Rotoclone	PM PM ₁₀	0.13 0.06	0.18 0.09
WH-4C	Pugmill C Rotoclone	PM PM ₁₀	0.13 0.06	0.18 0.09

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
WH-6A, B, C, and LF-1	Stockpiles (Stabilized Sludge and 22.81 Landfill)	PM ₁₀	PM	10.79
AC-1***	Indoor Abrasive Cleaning and 1.23 Painting Facility Baghouse 0.79	PM ₁₀	PM ₁₀	7.04
		VOC	VOC	5.42
AC-2***	Outdoor Abrasive Cleaning and 1.23 Painting Facility (4)	PM ₁₀	PM ₁₀	7.04
		VOC	5.42	0.79
AAT-1****	Unit 1 Ammonia Tank Vent	NH ₃	0.2293	1.00
AAT****	Unit 2 Ammonia Tank Vent	NH ₃	0.2293	1.00
GRS-1****	Air Separator/Groundwater 0.055 Remediation System		VOC	0.0126

(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) PM - particulate matter, suspended in the atmosphere
 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.
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide
CO - carbon monoxide
NH₃ - ammonia

(4) Fugitive emissions are an estimate only.

* Emission rates are based on the following operating schedule:

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

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** The emissions are fugitives associated with the loading of fly ash.
The process will be control by suction to the fly ash silos.

*** These emission points are authorized under 30 TAC Section 106.433.

**** Emissions are based on and production is limited to the following throughputs:

	<u>Hourly rate (tons)</u>	<u>Annual rate (Tons)</u>
Fly ash loadout:		
Truck	250	400,000
Bagging	4	35,040
Pugmills (each):		
Fly ash	220	617,000
Dewatered slurry	230	
295,000		
Lime Silos:	4.5	2,250

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated: _____