

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 4381and PSDTX3

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 (10)	
			lbs/hour (4)	TPY (4)
1	Unit 1 Boiler	NO <sub>x</sub>	1856 (6) (7)	7227 (6)
		CO	8524 (6)	31735 (6)
		VOC	19	82
		SO <sub>2</sub>	6187.2 (7)	27100.0
		PM	154.68 (7)	677.50
		PM <sub>10</sub>	154.68 (7)	677.50
		PM <sub>2.5</sub>	154.68 (7)	677.50
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (MSS)	880	-
		Hg	<0.01	0.027
3	Unit 3 Boiler	NO <sub>x</sub>	1856 (6) (7)	7227 (6)
		CO	8524 (6)	31735 (6)
		VOC	19	82
		SO <sub>2</sub> (5)	5771 (7)	25277
		PM (5)	154.68 (7)	677.50
		PM <sub>10</sub>	154.68 (7)	677.50
		PM <sub>2.5</sub>	154.68 (7)	677.50
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (MSS)	880	-
		Hg	<0.01	0.027
19	No. 1 Ash Silo Telescopic Chute (9)	PM	0.1	0.1
21	No. 3 Ash Silo	PM	0.1	0.1

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	Telescopic Chute (9)			
17	Fly Ash Landfill (9)	PM	1.74	7.6
23A	Unit 1A Byproduct Vacuum Exhauster (8)	PM	0.16	0.70
		PM <sub>10</sub>	0.16	0.70
		PM <sub>2.5</sub>	0.16	0.70
23B	Unit 1B Byproduct Vacuum Exhauster (8)	PM	0.16	0.70
		PM <sub>10</sub>	0.16	0.70
		PM <sub>2.5</sub>	0.16	0.70
24	Unit 1 Byproduct Storage Silo	PM	0.16	0.72
		PM <sub>10</sub>	0.16	0.72
		PM <sub>2.5</sub>	0.16	0.72
25	Unit 1 Ventilation Fan-Byproduct Storage Silo Equipment Level Ventilation	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	0.03	0.15
26A	Unit 3A Byproduct Vacuum Exhauster (8)	PM	0.16	0.70
		PM <sub>10</sub>	0.16	0.70
		PM <sub>2.5</sub>	0.16	0.70
26B	Unit 3B Byproduct Vacuum Exhauster (8)	PM	0.16	0.70
		PM <sub>10</sub>	0.16	0.70
		PM <sub>2.5</sub>	0.16	0.70
27	Unit 3 Byproduct Storage Silo	PM	0.16	0.72
		PM <sub>10</sub>	0.16	0.72
		PM <sub>2.5</sub>	0.16	0.72
28	Unit 3 Ventilation Fan-Byproduct Storage Silo Equipment Level Ventilation	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15

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		PM <sub>2.5</sub>	0.03	0.15
FE-02A	Fugitive Emissions from Wet Truck Loading at Unit 1 Byproduct Storage Silo (8)	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	0.03	0.15
FE-02B	Fugitive Emissions from Wet Truck Loading at Unit 1 Byproduct Storage Silo (spare) (8)	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	0.03	0.15
FE-03A	Fugitive Emissions from Wet Truck Loading at Unit 3 Byproduct Storage Silo (8)	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	0.03	0.15
FE-03B	Fugitive Emissions from Wet Truck Loading at Unit 3 Byproduct Storage Silo (spare) (8)	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	0.03	0.15
FE-04	Fly Ash/Byproduct Landfill	PM	0.17	0.29
		PM <sub>10</sub>	0.17	0.29
		PM <sub>2.5</sub>	0.17	0.29
29A	Unit 1A PAC Storage Silo A Bin Vent	PM	0.11	0.23
		PM <sub>10</sub>	0.11	0.23
		PM <sub>2.5</sub>	0.11	0.23
29B	Unit 1B PAC Storage Silo B Bin Vent (8)	PM	0.11	0.23
		PM <sub>10</sub>	0.11	0.23
		PM <sub>2.5</sub>	0.11	0.23
30A	Unit 3B PAC Storage Silo A Bin Vent (8)	PM	0.11	0.23
		PM <sub>10</sub>	0.11	0.23
		PM <sub>2.5</sub>	0.11	0.23

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30B	Unit 3B PAC Storage Silo B Bin Vent (8)	PM	0.11	0.23
		PM <sub>10</sub>	0.11	0.23
		PM <sub>2.5</sub>	0.11	0.23
MSS-FUG	MSS Fugitives	VOC	125.50	4.80
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	4.69	4.84
		NO <sub>x</sub>	<0.1	<0.1
		CO	<0.1	<0.1
		SO <sub>2</sub>	<0.1	<0.1

- (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<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
CO - carbon monoxide  
Hg - mercury
- (4) Planned maintenance, startup, and shutdown (MSS) lbs/hour emissions for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS, that pollutant's maximum hourly emission rate shall apply during that clock hour. Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates for each source include planned MSS emissions.
- (5) Boiler SO<sub>2</sub> and PM emissions originally authorized under PSD by letter from EPA dated November 9, 1976, which have been supplanted by this permit.
- (6) Emission rates authorized under pollution control standard permits listed in Special Condition No. 32 3.
- (7) Hourly NO<sub>x</sub> emissions are based upon a 30-day rolling average. Hourly SO<sub>2</sub> and PM emissions are based upon a 3-hour rolling average.
- (8) Units A & B for the corresponding EPNs do not operate simultaneously.
- (9) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (10) Unsubstituted and unbiased data when available is used to make a compliance determination.

Date: May 3, 2019