

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	
			lbs/hour (4)	TPY (4)
1	Unit 1 Boiler	NO _x	1856 (6) (7)	7227 (6)
		CO	8524 (6)	31735 (6)
		VOC	19	82
		SO ₂	6187.2 (7)	27100.0
		PM	515.6 (7)	2258.3
		PM/PM ₁₀ /PM _{2.5} (MSS)	880	-
2	Unit 2 Boiler	NO _x	1856 (6) (7)	7227 (6)
		CO	8524 (6)	31735 (6)
		VOC	19	82
		SO ₂ (5)	5771 (7)	25277
		SO ₂	2165 (8)	9483 (8)
		PM (5)	387 (7)	1694
		PM/PM ₁₀ /PM _{2.5} (MSS)	880	-
3	Unit 3 Boiler	NO _x	1856 (6) (7)	7227 (6)
		CO	8524 (6)	31735 (6)
		VOC	19	82
		SO ₂ (5)	5771 (7)	25277
		PM (5)	358 (7)	1569
		PM/PM ₁₀ /PM _{2.5} (MSS)	880	-
19	No. 1 Ash Silo Telescopic Chute (9)	PM	0.1	0.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour (4)	TPY (4)
20	No. 2 Ash Silo Telescopic Chute (9)	PM	0.1	0.1
21	No. 3 Ash Silo Telescopic Chute (9)	PM	0.1	0.1
17	Fly Ash Landfill (9)	PM	1.74	7.6
MSS-FUG	MSS Fugitives	VOC	121.75	0.59
		PM/PM ₁₀ /PM _{2.5}	4.69	4.84
		NO _x	<0.1	<0.1
		CO	<0.1	<0.1
		SO ₂	<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_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 CO - carbon monoxide
- (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 SO₂ 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. 33.
- (7) Hourly NO_x emissions are based upon a 30-day rolling average. Hourly SO₂ and PM emissions are based upon a 3-hour rolling average.
- (8) New SO₂ emission rate, which is based upon a 24-hour rolling average, is effective twelve months after first fire of coal at the new John W. Turk Jr. coal-fired boiler. The permit holder shall notify the TCEQ Region 5 Office within 30 days of first fire of coal at the new John W. Turk Jr. unit.
- (9) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Date: October 30, 2012