

Emission Sources - Maximum Allowable Emission Rates

Permit Number 103765

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	TPY (4)
E-01-BH19	Boiler No. 1 (Normal Operation) (6)	NO _x	8.63	31.26
		VOC	0.50	1.81
		SO ₂	2.87	10.40
		CO	10.85	39.33
		PM	3.92	14.20
E-01-BH19	Boiler No. 1 (Normal Operation) (7)	NO _x	8.63	37.21
		VOC	0.50	2.16
		SO ₂	2.87	12.38
		CO	10.85	46.82
		PM	3.92	14.20
E-01-BH19	Boiler No. 1 (MSS) (8)	NO _x	57.50	3.80
		CO	217.07	14.33
E-02-BH19	Boiler No. 2 (Normal Operation) (6)	NO _x	8.63	31.26
		VOC	0.50	1.81
		SO ₂	2.87	10.40
		CO	10.85	39.33
		PM	3.92	14.20
E-02-BH19	Boiler No. 2 (Normal Operation) (7)	NO _x	8.63	37.21
		VOC	0.50	2.16
		SO ₂	2.87	12.38

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		CO	10.85	46.82
		PM	3.92	14.20
E-02-BH19	Boiler No. 2 (MSS) (8)	NO _x	57.50	3.80
		CO	217.07	14.33
E-03-BH19	Boiler No. 3 (Normal Operation) (6)	NO _x	8.63	31.26
		VOC	0.50	1.81
		SO ₂	2.87	10.40
		CO	10.85	39.33
		PM	3.92	14.20
E-03-BH19	Boiler No. 3 (Normal Operation) (7)	NO _x	8.63	37.21
		VOC	0.50	2.16
		SO ₂	2.87	12.38
		CO	10.85	46.82
		PM	3.92	14.20
E-03-BH19	Boiler No. 3 (MSS) (8)	NO _x	57.50	3.80
		CO	217.07	14.33
F-BH-19	Boiler House 19 Fugitives (5)	VOC	0.33	1.43
		Ammonia	0.02	0.08
E-01-BH19 E-02-BH19 E-03-BH19	Boiler House 19 Ammonia Slip	Ammonia	6.65	28.65

- (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}, as represented

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PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) The Boiler House 16 units identified in NSR Permits 6825A, PSDTX49, and N65 must be shutdown and the Boilerhouse 15 low NOx burner project associated with NSR Permits 6825A, PSDTX49, and N65 completed prior to the end of the 180 day shakedown period for Boilerhouse 19 Boilers 1, 2, and 3.
- (7) These allowable emission rates shall apply in lieu of those normal operation emission rates for the boiler designated with footnote (6) if the permit holder samples the boiler for PM_{2.5} per Special Condition 7 and the results show PM_{2.5} emissions are less than 84 percent of the maximum hourly PM emission rate limit.
- (8) These allowables apply during startup and shutdown. The emissions of VOC, PM, and SO₂ shall not exceed the allowables for normal operation.

Date: July 24, 2012