

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 2165 and PSDTX1320

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	
			lb/hour	TPY (4)
BH-2-3	Boiler No. 3 400 MMBtu/hr (5)	NO <sub>x</sub> (6)	64.00	104.00
		CO	150.00	129.65
		VOC	2.16	9.45
		PM <sub>10</sub>	2.98	13.05
		SO <sub>2</sub>	0.07	0.30
		NH <sub>3</sub>	0.28	0.01
		HCN	0.45	0.02
BH-2-4	Boiler No. 4 623.6 MMBtu/hr (5)	NO <sub>x</sub>	25.00	72.76
		CO	110.00	224.94
		VOC	3.36	14.73
		PM <sub>10</sub>	4.65	20.35
		SO <sub>2</sub>	0.11	0.47
		NH <sub>3</sub>	3.61	15.27
		HCN	0.72	0.22

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BH-2-5	Boiler No. 5 515 MMBtu/hr	NO <sub>x</sub>	5.15	27.07
		NO <sub>x</sub> (MSS)	72.08	-
		CO	19.03	88.68
		CO (MSS)	97.85	-
		VOC	2.83	12.40
		PM	3.09	13.53
		PM <sub>10</sub>	3.09	13.53
		PM <sub>2.5</sub>	3.09	13.53
		SO <sub>2</sub>	7.35	2.08
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.10
		NH <sub>3</sub>	3.90	5.27
BH-2-6	Boiler No. 6 515 MMBtu/hr	NO <sub>x</sub>	5.15	27.07
		NO <sub>x</sub> (MSS)	72.08	-
		CO	19.03	88.68
		CO (MSS)	97.85	-
		VOC	2.83	12.40
		PM	3.09	13.53
		PM <sub>10</sub>	3.09	13.53
		PM <sub>2.5</sub>	3.09	13.53
		SO <sub>2</sub>	7.35	2.08
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.10
		NH <sub>3</sub>	3.90	5.27
BLR/FUG	Boiler Fugitives (7)	CO	0.08	0.37
		NH <sub>3</sub>	0.01	0.01
		HCN	0.01	0.01

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BLR-FUG2	Piping Fugitives (7)	CO	0.03	0.12
		VOC	0.70	3.07
		NH <sub>3</sub>	0.10	0.44

- (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>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - HCN - hydrogen cyanide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The pound per hour and ton per year emission rates for these facilities include emissions from MSS.
- (6) The NO<sub>x</sub> emission rates, as authorized by Standard Permit Number 82086, is incorporated by reference only.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: December 20, 2013