

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 38296, PSDTX1178, and N104

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**
EMISSIONS FROM ROUTINE OPERATIONS				
14BOILERST	Utility Boiler (300 MMBtu/hr)	NO _x (9)	6.00	13.14
		CO (7)	21.00	46.00
		VOC	1.62	7.09
		PM	2.24	9.79
		SO ₂	4.20	18.40
		NH ₃ (8)	1.35	5.91
AUXBOIL1	Auxiliary Steam Boiler 1 (450 MMBtu/hr)	NO _x (5)	4.50	-
		NO _x (6)	6.75	-
		CO (10)	33.27	-
		VOC	9.00	-
		PM	3.35	-
		SO ₂	4.01	-
		NH ₃ (8)	2.02	-
AUXBOIL2	Auxiliary Steam Boiler 2 (450 MMBtu/hr)	NO _x (5)	4.50	-
		NO _x (6)	6.75	-
		CO (10)	33.27	-
		VOC	9.00	-
		PM	3.35	-
		SO ₂	4.01	-
		NH ₃ (8)	2.02	-
AUXBOIL3	Auxiliary Steam Boiler 3 (450 MMBtu/hr)	NO _x (5)	4.50	-
		NO _x (6)	6.75	-
		CO (10)	33.27	-
		VOC	9.00	-
		PM	3.35	-
		SO ₂	4.01	-

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		NH ₃ (8)	2.02	-
AUXBOIL4	Auxiliary Steam Boiler 4 (450 MMBtu/hr)	NO _x (5)	4.50	-
		NO _x (6)	6.75	-
		CO (10)	33.27	-
		VOC	9.00	-
		PM	3.35	-
		SO ₂	4.01	-
		NH ₃ (8)	2.02	-
AUXBOIL 1 - AUXBOIL 4	Auxiliary Steam Boilers 1 - 4	NO _x	-	78.84
		CO	-	275.94
		VOC	-	19.23
		PM	-	58.74
		SO ₂	-	22.06
		NH ₃	-	35.44
14FUG	Utilities Area Fugitives (4)	VOC	0.70	3.06
		CO	3.05	13.35
		NH ₃	0.18	0.77
14ANALYZER	Analyzer Vents	VOC	0.01	0.02
		CO	0.05	0.21

PLANNED MAINTENANCED, STARTUP AND SHUTDOWN ACTIVITIES

14MSS	Venting Fuel and Ammonia Pipelines at Boiler Startup & Shutdown	VOC (11)	4.67	0.03
		CO (11)	61.21	0.40
		NH ₃ (11)	8.52	0.09

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an 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 - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

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

CO - carbon monoxide

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) When firing only natural gas; NO_x pound per hour emission rate is based upon a rolling three-hour average period.
- (6) When firing plant fuel gas or a mixture of natural gas and fuel gas: NO_x pound per hour emission rate is based upon a rolling three-hour average period.
- (7) CO pound per hour emission rate is based upon a 24-hour rolling average period.
- (8) NH₃ pound per hour emission rate is based upon a 24-hour rolling average period.
- (9) NO_x pound per hour emission rate is based upon a rolling three-hour average period.
- (10) CO pound per hour emission rate is based upon a rolling three-hour average period.
- (11) Planned maintenance, startup and shutdown (MSS) activities are defined in the Special Conditions.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated