

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9335

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**
33	Scrubber Stack (WO-2)	VOC	1.40	6.13
		NO <sub>x</sub>	0.60	2.63
		SO <sub>2</sub> (5)	75.00	99.26
		PM	1.50	6.50
		CO	0.20	0.87
34	Scrubber Stack (ST-WO-2)	VOC	0.16	0.71
		NO <sub>x</sub>	1.06	4.64
		SO <sub>2</sub> (5)	75.00	99.26
		PM	0.93	4.14
		CO	0.51	2.23
		H <sub>2</sub> S	0.001	0.005
RBH	Regen Baghouse	PM	0.02	0.11
RWS	Regen Wet Scrubber	PM	0.51	2.23
BS	Boiler Stack	VOC	0.02	0.08
		NO <sub>x</sub>	1.00	4.42
		PM	0.01	0.05
		CO	0.12	0.53
Tanks	Tank Farm (Tanks SV-01A, SV-01B, SV-02A, SV-02B, SV-05, and SR-01)	VOC	0.09	0.09
SBH	Sulficat Baghouse	PM	1.13	4.94
CA-01	Carbon Adsorber	VOC	0.01	0.05
		TNM	0.01	0.01

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			<u>lb/hr</u>	<u>TPY**</u>
CA-02	Carbon Adsorber	VOC	0.01	0.05
		TNM	0.01	0.01
FUG	Fugitives (4)	VOC	0.11	0.44
		H <sub>2</sub> S 0.15	0.64	

- (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 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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
 CO - carbon monoxide  
 TNM - tertiary-nonylmercaptan  
 H<sub>2</sub>S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Sulfur dioxide emission rates of 75 lb/hr and 99.26 tpy represent the combined maximum emissions from EPNs 33 and 34.

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

Hrs/day \_\_\_ Days/week \_\_\_ Weeks/year \_\_\_ or Hrs/year 8,760

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

Dated \_\_\_\_\_