

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80910

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 **
EP-14	830-hp Caterpillar G399 TA	NO <sub>x</sub>	3.66	16.03
		CO	5.49	24.04
		VOC	1.19	5.21
		SO <sub>2</sub>	0.004	0.02
		PM <sub>10</sub>	0.13	0.56
		Formaldehyde	0.14	0.60
EP-16	1,265-hp Caterpillar G3516 TALE	NO <sub>x</sub>	5.58	24.43
		CO	8.37	36.65
		VOC	1.67	7.33
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.10	0.42
		Formaldehyde	0.50	2.21
EP-17	1,265-hp Caterpillar G3516 TALE	NO <sub>x</sub>	5.58	24.43
		CO	8.37	36.65
		VOC	1.67	7.33
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.10	0.42
		Formaldehyde	0.50	2.21
FG-1A	Equipment Fugitives	VOC	0.21	0.92
V-1	Blowdown Vent	VOC	6.89	0.06
EP-7	Condensate Truck Loading	VOC	52.12 (while loading)	1.28

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**

**Emissions Prior to 01/05/2012**

EP-5	Condensate Storage Tank (FIN 1007)	VOC	6.15	26.95
EP-5	Condensate Storage Tank (FIN 1017)	VOC	6.15	26.95

**Emissions after 01/05/2012****Control Option No. 1: Vapor Recovery Unit (VRU) with a minimum control efficiency of 95 percent.**

EP-5	Condensate Storage Tank (FIN 1007)	VOC	0.31	1.35
EP-5	Condensate Storage Tank (FIN 1017)	VOC	0.31	1.35

**Control Option No. 2: Vapor Combustor / flare with a minimum 98 percent control efficiency.**

VC-1	Vapor Combustor for Tanks (EP-5 [FINs 1007 and 1017]) < = 2.0 MMBtu/hr	NO <sub>x</sub>	0.18	0.80
		CO	0.15	0.67
		VOC	0.26	1.12
		SO <sub>2</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.01	0.06

- (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) NO<sub>x</sub> - nitrogen oxides  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
SO<sub>2</sub> - sulfur dioxide  
PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

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(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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

Dated\_\_\_\_\_