

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 83695

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
GASHOLDER	Gas Holder	VOC	0.48	2.11
		H ₂ S	0.01	0.01
		PH ₃	0.01	0.01
		NH ₃	0.01	0.01
		SO ₂	0.01	0.01
		AsH ₃	0.01	0.01
POND	Pond	VOC	0.25	1.08
		H ₂ S	0.01	0.01
		PH ₃	0.01	0.01
		NH ₃	0.01	0.01
		SO ₂	0.01	0.01
		AsH ₃	0.01	0.01
POND	Pond (Maintenance, Start-up, and Shutdown)	VOC	13.85	1.66
		H ₂ S	0.01	0.01
		PH ₃	0.01	0.01
		NH ₃	0.01	0.01
		SO ₂	0.01	0.01
		AsH ₃	0.01	0.01
FLARE1 (Pilot Gas)	Flare	VOC	0.01	0.01
		NO _x	0.01	0.04
		CO	0.08	0.37
		SO ₂	0.01	0.01

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FLARE1	Flare (Maintenance, Start-up, and Shutdown)	VOC	25.06	0.03
		NO _x	3.29	0.01
		CO	28.20	0.07
		SO ₂	1.22	0.01
		H ₂ S	0.01	0.01
		PH ₃	0.01	0.01
		NH ₃	0.01	0.01
		AsH ₃	0.01	0.01
		P ₂ O ₅	0.03	0.01
		As ₂ O ₃	0.09	0.01
FUG	Equipment Fugitives (4)	VOC	0.66	2.88
		H ₂ S	0.01	0.01
		NH ₃	0.01	0.01
		SO ₂	0.01	0.01
		PH ₃	0.01	0.01
		AsH ₃	0.01	0.01
FWPUMP	Fire Water Pump (5)	VOC	0.07	0.01
		NO _x	1.98	0.05
		CO	0.28	0.01
		SO ₂	0.66	0.02
		PM ₁₀	0.03	0.01
DIESEL	Diesel Tank (5)	VOC	0.02	0.01

- (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

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NO _x	-	total oxides of nitrogen
SO ₂	-	sulfur dioxide
PM ₁₀	-	particulate matter equal to or less than 10 microns in diameter
CO	-	carbon monoxide
H ₂ S	-	hydrogen sulfide
NH ₃	-	ammonia
AsH ₃	-	arsine
PH ₃	-	phosphine
P ₂ O ₅	-	phosphorus pentoxide
As ₂ O ₃	-	arsenic trioxide

- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Emission rates include maintenance, start-up, and shutdown emissions.

* 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 February 9, 2009