

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

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Draft

Permit Number 4618

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

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**
F SLOF	Fugitives (4)	VOC	0.65	2.82
29H101STK	Hot Oil Heater	NO _x	2.85	11.96
		CO	2.39	10.05
		PM	0.22	0.91
		SO ₂	0.41	0.10
		VOC	0.16	0.66
29G-101	Flare	NO _x	0.38	0.94
		CO	0.75	1.88
		SO ₂	0.01	0.01
		VOC	1.44	4.54
GROUP1	Ethylene Brine Pond and Light Brine Surge Tank	VOC	1.81	5.59
C3H6BRINE	Propylene Brine Pond	VOC	0.35	1.05
ICENG	Diesel Generator (5)	NO _x	4.65	1.74
		CO	1.00	0.38
		PM	0.33	0.12
		VOC	0.37	0.14
		SO ₂	0.31	0.12

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			lb/hr	TPY**
24P-104A	Fire Water Pumps Diesel Engine (5)	NO _x	0.78	0.29
		CO	0.17	0.06
		PM 0.06	0.02	
		VOC 0.06	0.02	
		SO ₂ 0.05	0.02	
24C101A/B	Air Compressor Diesel Engine (5)	NO _x	0.47	0.17
		CO	0.10	0.04
		PM 0.03	0.01	
		VOC 0.04	0.01	
		SO ₂ 0.03	0.01	
29P105	Fresh Water Pumps Diesel Engine (5)	NO _x	0.78	0.29
		CO	0.17	0.06
		PM 0.06	0.02	
		VOC 0.06	0.02	
		SO ₂ 0.05	0.02	
TKFUEL	Diesel Fuel Tank	VOC	0.01	0.01
TKFUEL1	Fresh Water Pump Diesel fuel tank	VOC	0.01	0.01
MSSFLARE	CavernBlowdown	VOC	15.00	0.20
		NO _x	0.09	0.01
		CO	0.35	0.01
		PM10	0.01	0.01
MSSFLARE	LDAR Maintenance	VOC	24.98	0.33
		NO _x	2.62	0.04
		CO	18.93	0.24
		PM10	0.01	0.01
MSSFUGITIVE	LDAR Maintenance	VOC	2.00	0.04

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			lb/hr	TPY**

- (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.
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Diesel engines are limited to 750 hours of operation annually.

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

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

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

Dated November 10, 2004