

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21715

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**
H-56	Product Tank	VOC	0.521	0.348
S-70	Sulfur Tank	H <sub>2</sub> S	0.014	0.002
		SO <sub>2</sub>	0.341	0.010
BHO-3	Filter Aid Unloading (Baghouse)	PM <sub>10</sub>	0.056	0.03
FUG-55	Fugitive Emissions (4)	VOC	0.635	2.776
FI-01	Fume Incinerator	PM <sub>10</sub>	0.021	0.018
		VOC	3.373	
		NO <sub>x</sub>	0.9	
		SO <sub>2</sub>	5.727	
		CO	0.206	
		H <sub>2</sub> S	0.023	
		Mercaptans	0.017	0.019
FI-02	Fume Incinerator (5)	PM <sub>10</sub>	<0.001	<0.001
		VOC	0.024	0.001
		NO <sub>x</sub>	<0.001	<0.001
		SO <sub>2</sub>	<0.001	<0.001
		CO	<0.001	<0.001
		H <sub>2</sub> S	<0.001	<0.001
HO-15	Hot Oil Heater	PM <sub>10</sub>	0.266	1.165
		VOC	0.193	0.843
		NO <sub>x</sub>	1.050	4.599
		SO <sub>2</sub>	0.021	0.092
		CO	2.940	12.877

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			lb/hr	TPY**
BHO-2	Lime Silo (Baghouse)	PM <sub>10</sub>	0.15	0.002
OF-3	Plate and Frame Filter	VOC	4.635	4.409
		PM (mist)	0.987	5.024
LS-2	Blend Oil Tank	VOC	0.033	0.004
HHO-15	Hot Oil Storage Tank	VOC	<0.001	0.001

- (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) 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 particulate matter greater than 10 microns is emitted.
- VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- CO - carbon monoxide
- 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) Emissions attributable to facilities authorized under TNRCC Permit No. 21715 only. Emission Point No. FI-02 is authorized under TNRCC Permit No. 22059.

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

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

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

Dated \_\_\_\_\_