

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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, sources, and related activities. 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	
			lbs/hour	TPY (4)
S-70	Sulfur Scrubber S-52	H <sub>2</sub> S	0.054	0.002
		SO <sub>2</sub>	0.341	0.010
BH-03	Filter Aid Unloading (Baghouse)	PM <sub>10</sub>	0.001	0.001
HO-15	Hot Oil Heater	PM <sub>10</sub>	0.182	0.799
		VOC	0.132	0.578
		NO <sub>x</sub>	0.720	3.154
		SO <sub>2</sub>	0.014	0.063
		CO	2.016	8.830
BH-02	Lime Silo (Baghouse)	PM <sub>10</sub>	0.001	0.001
OF-3	Plate and Frame Filter	VOC	4.635	4.409
		PM (mist)	0.987	2.970
HHO-15	Hot Oil Surge Vent	VOC	0.87	0.05
<b>Prior to Vent Header Installation:</b>				
FI-01	Fume Incinerator	PM <sub>10</sub>	0.08	0.18
		VOC	0.53	0.42
		NO <sub>x</sub>	1.09	2.32
		SO <sub>2</sub>	12.68	7.95
		CO	0.91	1.95
		H <sub>2</sub> S	0.12	0.07

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

H-56	Product Tank	VOC	0.521	0.348
LS-2	Blend Oil Tank	VOC	0.033	0.004
FUG-55	Fugitive Emissions (5)	VOC	0.636	2.776
<b>After the Vent Header Installation: Control Option 1</b>				
FI-01	Fume Incinerator (6)	PM <sub>10</sub>	0.08	0.18
		VOC	0.55	0.42
		NO <sub>x</sub>	1.09	2.32
		SO <sub>2</sub>	12.68	7.95
		CO	0.91	1.95
		H <sub>2</sub> S	0.12	0.07
FUG-55	Fugitive Emissions (5)	VOC	0.653	2.849
<b>Control Option 2</b>				
H-56	Product Tank (8)	VOC	0.82	0.19
FI-01	Fume Incinerator (7)	PM <sub>10</sub>	0.08	0.18
		VOC	0.53	0.42
		NO <sub>x</sub>	1.09	2.32
		SO <sub>2</sub>	12.68	7.95
		CO	0.91	1.95
		H <sub>2</sub> S	0.12	0.07
LS-2	Blend Oil Tank (8)	VOC	0.04	0.01
FUG-55	Fugitive Emissions (5)	VOC	0.653	2.849
MSS-177T55	Maintenance	VOC	5.27	0.05

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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)

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
H <sub>2</sub> S	-	hydrogen sulfide
PM	-	total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented
PM <sub>10</sub>	-	total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	-	particulate matter equal to or less than 2.5 microns in diameter
CO	-	carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) This represents the emissions based on Control Option 1 which allows Product Tank H-56 and Blend Oil Tank LS-2 to be routed to the Fume Incinerator (EPN FI-01) in addition to the routing of the following equipments to Fume Incinerator FI-01: H-50, H-51, H-52, H-53, H-54, H-55, H-60, H-61, H-62, H-63, H-65, H-66, H-67, H-69, H-71, H-73, H-74, H-78, H-79, H-T06, S-28A, S-28B, S-71, S-H62, and TO-6.
- (7) This represents the emissions based on Control Option 2 in which the following equipments are routed to the Fume Incinerator FI-01: H-50, H-51, H-52, H-53, H-54, H-55, H-60, H-61, H-62, H-63, H-65, H-66, H-67, H-69, H-71, H-73, H-74, H-78, H-79, H-T06, S-28A, S-28B, S-71, S-H62, and TO-6.
- (8) In Control Option 2, Product Tank H-56 and Blend Oil Tank LS-2 each shall vent through their dedicated carbon canisters for additional control.

Date: \_\_\_\_\_