

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56304

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**
LR1	Main Tank Farm Railcar Loading	VOC	0.53	0.06
LR2	Main Tank Farm Truck Loading	VOC	0.53	0.01
F1	Talc Silo	PM	0.50	0.05
F2	Talc Conveyors	PM	0.06	0.03
TF-1	Tank Farm 1	VOC	9.44	1.27
T049	Pitch Emulsion Tank	VOC	2.22	0.23
T051	Scrubber/Vapor Knockout Tank	VOC	45.54	3.46
TADJ	Adjusting Oil Tank	VOC	0.04	0.01
T005	Enamel Mix Tank	VOC	0.34	0.04
SH1	Still No. 1 Heater Vent	NO <sub>x</sub>	1.12	3.48
		CO	0.94	2.92
		VOC	0.06	0.19
		PM <sub>10</sub>	0.09	0.27
		SO <sub>2</sub>	0.01	0.01
SH2	Still No. 2 Heater Vent	NO <sub>x</sub>	1.12	3.48
		CO	0.94	2.92
		VOC	0.06	0.19
		PM <sub>10</sub>	0.09	0.27
		SO <sub>2</sub>	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
SH3	Still No. 3 Heater Vent	NO <sub>x</sub>	1.12	3.48
		CO	0.94	2.92
		VOC	0.06	0.19
		PM <sub>10</sub>	0.09	0.27
		SO <sub>2</sub>	0.01	0.01
SH4	Still No. 4 Heater Vent	NO <sub>x</sub>	0.77	2.38
		CO	0.65	2.00
		VOC	0.04	0.13
		PM <sub>10</sub>	0.06	0.18
		SO <sub>2</sub>	0.01	0.01
ETFT1	Emulsion Tank Fire Tube Heater	NO <sub>x</sub>	0.17	0.52
		CO	0.14	0.44
		VOC	0.01	0.03
		PM <sub>10</sub>	0.01	0.04
		SO <sub>2</sub>	0.01	0.01
ETFT2	Enamel Tank Fire Tube Heater	NO <sub>x</sub>	0.29	0.89
		CO	0.24	0.75
		VOC	0.02	0.05
		PM <sub>10</sub>	0.02	0.07
		SO <sub>2</sub>	0.01	0.01
T45FT	Pitch-Refined Tar Tank Heater	NO <sub>x</sub>	0.29	0.89
		CO	0.24	0.75
		VOC	0.02	0.05
		PM <sub>10</sub>	0.02	0.07
		SO <sub>2</sub>	0.01	0.01
T21FT	Tank 21 Heater	NO <sub>x</sub>	0.29	0.89
		CO	0.24	0.75
		VOC	0.02	0.05
		PM <sub>10</sub>	0.02	0.07
		SO <sub>2</sub>	0.01	0.01
RKFT1	Remelt Kettle Fire Tube Heater	NO <sub>x</sub>	0.05	0.15
		CO	0.04	0.13

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			lb/hr	TPY**
		VOC	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
HTHO1	Heatec Hot Oil Heating System	NO <sub>x</sub>	0.96	2.82
		CO	0.37	1.07
		VOC	0.05	0.16
		PM <sub>10</sub>	0.08	0.22
		SO <sub>2</sub>	0.03	0.09
FUG1	Plant Fugitives	VOC	0.03	0.15

(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) NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>

PM<sub>10</sub> - particulate matter 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.

SO<sub>2</sub> - sulfur dioxide

\* 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 52 Weeks/year or 8,760 Hrs/year

Dated February 28, 2011