

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 36755

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	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	
	TPY**			
EP 1	Engine 1 Superior 16-SGTB	NO <sub>x</sub>	8.76	38.38
		CO	9.34	40.94
		VOC	1.17	5.11
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.21	0.91
EP 2	Engine 2 Superior 16-SGTB	NO <sub>x</sub>	8.76	38.38
		CO	9.34	40.94
		VOC	1.17	5.11
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.21	0.91
EP 3	Engine 3 Superior 16-SGTB	NO <sub>x</sub>	8.76	38.38
		CO	9.34	40.94
		VOC	1.17	5.11
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.21	0.91
EP 4	Engine 4 Superior 16-SGTB	NO <sub>x</sub>	8.76	38.38
		CO	9.34	40.94
		VOC	1.17	5.11
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.21	0.91
EP 5	Engine 5 Superior 6-GTLA	NO <sub>x</sub>	3.64	15.93
		CO	6.37	27.88
		VOC	1.36	5.97
		SO <sub>2</sub>	0.004	0.02
		PM <sub>10</sub>	0.07	0.29

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
EP 6	Heater First Thermal Systems	NO <sub>x</sub>	0.82	3.59
		CO	0.21	0.90
		VOC	0.02	0.07
		SO <sub>2</sub>	0.005	0.02
		PM <sub>10</sub>	0.02	0.08
EP 7	Flare	NO <sub>x</sub>	0.22	0.94
		CO	0.44	1.88
		VOC	<0.01	<0.01
Tk 1 and 2	Tanks	VOC	3.31	14.48
FUG	Fugitives (4)	VOC	1.33	5.83
EP 7	Flare (5)	NO <sub>x</sub>	6.27	3.44
		CO	12.52	6.86
		VOC	17.42	2.52

(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) CO - carbon monoxide

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

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

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

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.

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Flare emissions are based on startup, shutdown, and maintenance emissions only.

\* 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

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Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY**</u>

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

Dated September 18, 2003