

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

22042/PSD-TX-817

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)	Source Name (3)	Air Contaminant lb/hr	TPY	Emission Rates *
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### EMISSIONS FROM THE T-6 FRACTIONATION COLUMN

T6-TURB	Ruston Tornado		NOx	15.9	63.4
	Turbine-only		CO	10.0	39.6
			VOC	0.1	0.3
			SO2	0.1	0.2
			PM10	0.4	1.4
T6-TURB	Ruston Tornado		NOx	22.2	90.9
	w/78.3 MMBtu		CO	14.7	60.2
	Duct Burner		VOC	0.2	0.7
			SO2	0.1	0.4
			PM10	0.5	2.1
T6-FUG	Fugitives (4)		VOC	3.1	13.5

### EMISSIONS FROM THE T-11 FRACTIONATION COLUMN

T11-TURB	Solar T-6500		NOx	8.5	37.2
	Turbine-only		CO	6.6	26.7
			VOC	<0.1	0.2
			SO2	<0.1	0.2
			PM10	0.3	1.1
T11-TURB	Solar T-6500		NOx	13.0	53.6
	w/46.8 MMBtu		CO	10.4	43.1
	Duct Burner		VOC	1.0	4.1
			SO2	0.1	0.3
			PM10	0.7	3.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
T11-FUG	Fugitives (4)	VOC	4.3	18.8

### EMISSIONS FROM THE T-12 FRACTIONATION COLUMN

T12-TURB	Solar T-6500 Turbine-only	NOx	8.5	37.2
		CO	6.6	26.7
		VOC	<0.1	0.2
		SO2	<0.1	0.2
		PM10	0.3	1.1
T12-TURB	Solar T-6500 w/46.8 MMBtu Duct Burner	NOx	13.0	53.6
		CO	10.4	43.1
		VOC	1.0	4.1
		SO2	0.1	0.3
		PM10	0.7	3.1
T12-FUG	Fugitives (4)	VOC	4.3	18.8

- (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 - particulate matter  
PM10 - particulate matter less than 10 microns  
VOC - volatile organic compounds as defined in General Rule 101.1  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

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

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_or Hrs/year 8,760

Dated \_\_\_\_\_