

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23123

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
P-FLR	Elevated Flare	NO _x 0.02	0.01	
		SO ₂ 8.47	1.95	
		CO	0.09	0.02
		VOC	0.24	0.06
S-14	Reactor Heater	NO _x 0.10	0.44	
		SO ₂ 0.02	0.07	
		CO	0.02	0.09
		PM	0.01	0.05
		VOC	0.01	0.03
S-15	Dryers Heater	NO _x 0.06	0.27	
		SO ₂ 0.01	0.04	
		CO	0.01	0.06
		PM	0.01	0.03
		VOC	0.004	0.02
S-37	Hot Oil Heater	NO _x 0.45	1.97	
		SO ₂ 0.07	0.30	
		CO	0.09	0.41
		PM	0.05	0.24
		VOC	0.03	0.15
T-6	Storage Tank (4)	VOC	9.95	0.54
T-35	Storage Tank (4)	VOC	9.94	0.91
T-41	Storage Tank (4)	VOC	10.58	0.91

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
T-94	Storage Tank (4)	VOC	0.30	0.01
F-96	096 Unit Fugitives (5)	VOC	1.87	8.21
		H ₂ S0.46	2.00	

(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) NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

PM - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

H₂S - hydrogen sulfide

(4) No storage authorization for n-octyl mercaptan or cyclohexyl mercaptan.

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

* Emissions rates are based on - and facilities are limited by - the following maximum operating schedule: 8,760 hours per year.

Dated _____