

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 39693

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	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
SMR STK	Reformer Furnace Stack	CO	19.22	84.2
		NH ₃	24.90	109.0
		NO _x	17.66	77.4
		PM ₁₀	15.32	67.1
		SO ₂	5.63	24.7
		VOC	2.80	12.3
GT STK	Gas Turbine Stack	CO	33.26	12.6
		NO _x	19.56	7.4
		PM ₁₀	6.00	2.3
		SO ₂	0.78	0.3
		VOC	1.14	0.4
FLARE1	Flare	CO	0.043	0.2
		NO _x	0.022	0.1
		SO ₂	0.002	0.01
		VOC	0.031	0.14
H2 VENT1	Hydrogen Vent	CO	0.32	0.01
PLTFUG1	Fugitives (4)	CO	1.97	8.6
		NH ₃	0.059	0.3
		VOC	0.70	3.1
VAPDEGR	Vapor Degreaser	VOC	0.016	0.07
TANK1	500-Gallon Diesel Tank	VOC	<0.001	<0.001

(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.

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- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - 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.
NH₃ - ammonia
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - 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.

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

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

Date_____