

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5487

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
HCU-FE	HCU Fugitives (4)	VOC	7.49	32.81
Q11-H-301	HCU Rx Charge Heater	VOC	0.18	0.79
		NO _x	9.04	39.59
		SO ₂	1.71	7.49
		PM	0.90	3.96
		CO	2.26	9.90
Q11-H-3001	HCU Debutanizer Reboiler	VOC	0.09	0.37
		NO _x	4.25	18.62
		SO ₂	0.80	3.52
		PM	0.43	1.86
		CO	1.06	4.65
Q11-H-3002	HCU Fractionator Heater	VOC	0.09	0.37
		NO _x	4.25	18.62
		SO ₂	0.80	3.52
		PM	0.43	1.86
		CO	1.06	4.65
Q13-H-3003	QP Vacuum Heater	VOC	0.10	0.44
		NO _x	5.06	22.15
		SO ₂	0.96	4.19
		PM	0.51	2.22
		CO	1.26	5.54

(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) VOC - volatile organic compounds as defined in General Rule

101.1

NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀
CO - carbon monoxide

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(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

Dated_____