

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5452

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
A1,A2,A3	Furnace A (120 MMBtu/hr heat input) 341	CO	5.67	24.80
		NO _x		77.90
		PM ₁₀	0.71	3.11
		SO ₂	0.09	0.37
		VOC	0.20	0.87
F-B	Furnace B (141 MMBtu/hr heat input) 371	CO	6.17	27.0
		NO _x		84.4
		PM ₁₀	0.77	3.37
		SO ₂	0.09	0.41
		VOC	0.22	0.95
F-CD	Heaters (135 MMBtu/hr heat input) 38.46	CO	7.29	31.93
		NO _x		8.78
		PM ₁₀	0.70	3.07
		SO ₂	1.03	4.51
		VOC	0.20	0.88
FLR-1	Acid Gas Flare	CO	0.71	3.12
		NO _x	0.14	0.61
		SO ₂	0.50	2.18
		VOC	<0.01	<0.01
FLR-2	VOC Flare	CO	0.22	0.98

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			lb/hr	TPY
		NO _x	0.03	0.11
		SO ₂	<0.01	<0.01
		VOC	0.01	0.05
GLY-1	Glycol Unit	VOC	3.9	17.2
GLY-2	Glycol Unit	VOC	0.12	0.6
PE-1	Building Vent	PCE	0.16	0.70
FUG-1	Process Fugitives (4)	VOC	8.06	35.34
FUG-2	Process Fugitives (4)	H ₂	3.86	16.92
		VOC	4.92	21.55
FUG-3	Process Fugitives (4)	VOC	31.95	139.94

(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

H₂ - hydrogen

NO_x - total oxides of nitrogen

PM₁₀ - particulate matter less than 10 microns

PCE - perchloroethylene

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in General Rule 101.1

(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 Hrs/year 8,760

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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>

Dated_____