

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8199A

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

<u>Emission Rates *</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>	
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
50	CO ₂ Stripper Vent	VOC	0.37	1.62
		CO	18.50	80.60
59	Catalytic Oxidizer	VOC	0.69	2.73
16	High Pressure Flare	VOC	6.31	25.14
		NO _x	1.34	5.34
		CO	9.21	36.66
		SO ₂	0.01	0.03
		H ₂ S	<0.01	<0.01
16B	Low Pressure Flare	VOC	0.68	0.59
		NO _x	0.03	0.05
		CO	0.21	0.33
		SO ₂	<0.01	0.01
		H ₂ S	<0.01	<0.01
601	Natural Gas Preheater	VOC	0.03	0.14
		NO _x	1.57	6.87
		CO	0.39	1.72
		SO ₂	0.16	0.70
		PM ₁₀	0.15	0.67
17	MEA Storage Tank D-603	VOC	0.14	<0.01
18	Spent MEA Tank D-605	VOC	0.01	<0.01

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
45	EPA Buffer Tank D-664	VOC	0.03	0.13
47	Spent NaOH Tank D-668	VOC	<0.01	<0.01
48	Wastewater Tank D-661	VOC	0.07	0.02
52	2EH Shift Tank D-662A	VOC	0.26	0.07
53	2EH Shift Tank D-662B	VOC	0.26	0.07
54	2EH Shift Tank D-662C	VOC	0.26	0.07
55	2EH Storage Tank D-663A 0.50		VOC	0.50
56	2EH Storage Tank D-663B 0.50		VOC	0.50
57	2EH Storage Tank D-670	VOC	0.48	0.34
58	IBAL Scrubber	VOC	12.87	1.25
MVLOADING	Marine Loading Losses	VOC	0.86	0.24
RRLOADING	Rail Loading Losses	VOC	8.41	1.00
TTLOADING	Truck Loading Losses	VOC	14.22	1.45
FUG-2EH	Fugitive Emissions (4)	VOC	4.34	19.01

(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

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

fugitive source name.

(3) VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

H₂S - hydrogen sulfide

CO - carbon monoxide

SO₂ - sulfur dioxide

PM₁₀ - particulate matter including total suspended particulate less than 10 microns in diameter

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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 Hrs/year _____
8,760

Dated _____