

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19819/PSD-TX-324M7

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 (3)</u>	<u>lb/hr</u>	<u>TPY</u>
150	Heater 47-H-01/02/03/04	SO ₂	3.67	16.08
		NO _x	21.67	94.92
		PM ₁₀ 3.30	14.46	
		CO	6.50	28.47
		VOC 0.67	2.94	
151	Heater 48-H-01	SO ₂	0.43	1.90
		NO _x	2.56	11.21
		PM ₁₀ 0.39	1.71	
		CO	0.77	3.36
		VOC 0.08	0.35	
152	Heater 49-H-01/02/03/04	SO ₂	7.83	34.28
		NO _x	28.61	125.31
		PM ₁₀ 2.89	12.65	
		CO	12.27	53.71
		VOC 0.74	3.23	
153	Boiler 30-B-02	SO ₂	3.30	14.47
		NO _x	19.50	85.41
		PM ₁₀ 1.08	4.75	
		CO	5.85	25.62
		VOC 0.31	1.34	
30-B-04	Boiler 30-B-04	SO ₂	4.24	18.55
		NO _x	15.00	65.70
		PM ₁₀ 1.39	6.09	
		CO	12.50	54.75
		VOC 0.39	1.72	

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
156	Tank 62	VOC 1.83	1.37	
157	Tank 63	VOC 1.83	1.37	
155	Scrubber 49-ME-53	HCl	0.05	0.22
158	Ground Flare	Emergency Use Only		
47F	HCU Fugitives (4)	VOC 2.26	9.89	
		H ₂ S	0.07	0.32
48F	NHU Fugitives (4)	VOC 0.65	2.85	
		H ₂ S	0.01	0.05
49F	CRU Fugitives (4)	VOC 0.85	3.69	
30B02F	Boiler 30-B-02 Fugitives (4)	VOC	0.01	0.04
30B04F	Boiler 30-B-04 Fugitives (4)	VOC	0.01	0.04
47PSA	PSA Fugitives (4)	VOC 0.11	0.51	

(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) PM₁₀ - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

H₂S - hydrogen sulfide

HCl - hydrochloric acid

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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr TPY</u>

* 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_____