

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19950

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
38	Tank T-444	VOC	1.31	0.41
48	Tank T-409	VOC	0.30	0.27
57	Tank T-443	VOC	1.38	0.33
80	Tank T-445	VOC	0.48	0.10
81	Tank T-446	VOC	3.19	0.02
87	Tank T-447	VOC	1.23	0.49
94	Flare A-613	VOC	0.41	1.81
		NO _x	4.62	3.28
		CO	23.57	16.69
		SO ₂	<0.01	<0.01
		BF ₃ Hydrates	0.06	0.26
		HCl	0.02	0.09
131	Tank T-431	VOC	0.03	0.04
132	Tank T-432	VOC	0.02	0.03
133	Tank T-433	VOC	0.03	0.04
134	Tank T-434	VOC	0.02	0.03
135	Tank T-435	VOC	0.03	0.04

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				lb/hr	TPY
136	Tank T-436	VOC		0.02	0.03
146	Tank T-107R	VOC		0.14	1.15
149	Tank T-115R	VOC		0.14	1.15
172	Scrubber C-207	VOC	BF ₃ Hydrates 2.92	0.07 5.43	0.28
211	Tank V-401	VOC		0.00	0.00
228	Tank T-137R	VOC		0.14	1.05
230	Tank T-600	VOC		0.02	0.87
231	Tank T-129	VOC		0.02	0.86
256	Tank T-604	VOC		0.01	0.02
266	Tank T-603R	VOC		0.14	0.92
		HCl	0.39	1.54	
267	Tank T-601R	VOC		0.14	1.15
268	Tank T-113	VOC		0.26	0.10
270	Scrubber C-206	PM ₁₀		0.01	0.03
271	Tank T-602	VOC		0.02	0.86
323	Heater H-403	PM ₁₀		0.08	0.35
		VOC	0.03	0.11	
		NO _x	0.68	2.96	
		CO	0.14	0.62	

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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>
		SO ₂ <0.01	0.02	
327	Tank T-616	VOC	0.04	0.07

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
500	Tank F-7052	VOC	0.42	0.24
501	Tank T- 180	VOC	0.38	0.06
506	Heater H-7701	PM ₁₀	0.19	0.84
		VOC	0.04	0.17
		NO _x	1.44	6.32
		CO	1.03	4.50
		SO ₂	0.01	0.04
521	Tank F-7701	VOC	0.00	0.00
F-1	Fugitives F-1 (4)	VOC	0.36	1.60
F-2	Fugitives F-2 (4)	VOC	1.02	4.55
		BF ₃ Hydrates	0.01	0.03
F-3	Fugitives F-3 (4)	VOC	2.60	11.39
		BF ₃ Hydrates	0.20	0.86
F-4	Fugitives F-4 (4)	VOC	<0.01	0.01
F-5	Fugitives F-5 (4)	VOC	0.06	0.24
F-9	Fugitives F-9 (4)	VOC	0.71	3.10

(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

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

PM₁₀ - particulate matter, 10 microns or smaller
CO - carbon monoxide
HCl - hydrogen chloride
BF₃ - boron trifluoride in the form of hydrates

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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 _____