

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
31	Filter Pre-Coat Tank V-625	VOC	0.66	
		0.36		
38	Tank T-444	VOC	1.31	0.41
48	Tank F-8061	VOC	0.10	0.09
57	Tank T-443	VOC	1.28	0.54
62	Tank T-426	VOC	0.02	<0.01
64	Tank T-428	VOC	0.02	<0.01
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	CO	5.61	24.58
		Ethane	0.58	2.54
		HCl 0.02	0.09	
		Hydrogen	0.30	1.33
		Natural Gas	6.31	27.62
		NO _x 1.10	4.82	
		SO ₂	0.29	1.36
		VOC 0.88	3.84	

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			lb/hr	TPY
131	Tank T-431	VOC	0.03	0.04
132	Tank T-432	VOC	0.05	<0.01
133	Tank T-433	VOC	0.03	0.04
134	Tank T-434	VOC	0.05	<0.01
135	Tank T-435	VOC	0.03	0.04
136	Tank T-436	VOC	0.05	<0.01
142	Filter Pre-Coat Tank T-7570	VOC		<0.01
		<0.01		
143	Hydro Feed Tank V-527	VOC	0.23	0.04
146	Tank T-107R	VOC	0.14	1.15
149	Tank T-115R	VOC	0.14	1.15
172	Scrubber C-207	Fluorides, BF ₃ Hyd.	<0.01	<0.01
		HCl	<0.01	<0.01
		VOC	8.84	2.67
211	Tank V-401	VOC	<0.01	<0.01
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

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			lb/hr	TPY
266	Tank T-603R	HCl VOC 1.22	0.39 0.01	1.54
267	Tank T-601R	VOC	0.14	1.15
268	Tank T-113	VOC	0.26	0.10
271	Tank T-602	VOC	0.02	0.86
323	Heater H-403	CO NO _x 0.68 PM ₁₀ 0.08 SO ₂ <0.01 VOC 0.03	0.14 2.96 0.35 0.02 0.11	0.62
500	Tank F-7502	VOC	0.42	0.22
506	Heater H-7701	CO NO _x PM ₁₀ 0.19 SO ₂ VOC	1.03 1.44 0.84 0.01 0.04	4.50 6.32 0.04 0.17
521	Tank F-7701	VOC	<0.01	<0.01
538	Tank F-7800	VOC	0.42	0.22
539	Tank F-7801	VOC	0.32	0.02
F-1	Fugitives F-1 (4)	VOC	0.25	1.08
F-2	Fugitives F-2 (4)	Fluorides, BF ₃ Hyd. VOC	<0.01 1.02	<0.01 4.50
F-3	Fugitives F-3 (4)	Fluorides, BF ₃ Hyd.	<0.01	0.03

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			lb/hr	TPY
	HCl	0.08	0.35	
		VOC 1.52	6.68	
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	0.68	2.97
WF-10	Loading Emissions	VOC	1.7	0.19
WF-11	Fugitives F-11 (4)	BF ₃ Hyd.	0.01	0.04
F-15	Fugitives F-15 (4)	VOC	0.26	1.16

(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) BF₃ Hyd. -boron trifluoride in the form of hydrates

CO - carbon monoxide

Fluorides

HCl - hydrogen chloride

NO_x - total oxides of nitrogen

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

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

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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>

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 _____