

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Permit No. 40053

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
1	Scrubber			VOC	<0.01	0.02
				CH <sub>2</sub> O	0.03	0.018
				HCl	<0.01	<0.01
				COS	0.006	0.001
2	Flare			VOC	2.56	0.91
3	Gas-Fired Boiler			NO <sub>x</sub>	0.63	2.76
4	Dept. 79 - Tank Farm (14)			VOC		0.52
5	Dept. 79 - Fugitives (4)			VOC	1.06	4.65
6	Vent Transfer and Drumming Operations (Dept. 79)			VOC		0.15
7	Oil Heaters			VOC	0.016	0.07
				NO <sub>x</sub>	0.90	3.94
8	Dept. 41 - Tank Farm (17)			VOC		0.155
				HCl		0.075
9	Fugitives and Transfer and Drumming Operations (4)			VOC	0.021	<0.001
				HCl	0.003	<0.001
				CH <sub>2</sub> O	0.042	0.085

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		NH3	0.06	0.26
10	Aeration Basin	CH20	<0.01	0.03
11	Cooling Tower	VOC	0.36	1.58
12	Raw Material Tank (4)	TMA	0.02	<0.01
		MC	0.36	1.28
		EPI	0.02	0.02

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Emission Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
13	Reaction Area (4)			TMA	<0.01	<0.01
				MC	0.01	0.04
				EPI	<0.01	<0.01
14	Scrubber System			TMA	<0.01	<0.01
				MC	4.33	0.03
				EPI	0.04	<0.01
15	Product Storage and Loading			TMA	0.02	<0.01
				MC	<0.01	<0.01
				EPI	<0.01	<0.01
16	Scrubber System			VOC	0.39	0.75
17	Scrubber System			VOC	<0.01	0.01
18	Fugitives			VOC	0.60	2.63
19	Tank 7946 and Rinse			VOC	<0.01	<0.01
20	Scrubber			VOC	0.04	<0.01
21	Scrubber			VOC	2.01	0.21
22	Scrubber			VOC	0.03	<0.01
23	Tank 7942			VOC	<0.01	<0.01
24	Tank 7938			VOC	0.03	<0.01
25	Tank 7929			VOC	0.03	<0.01
26	Tank 7930			VOC	0.03	<0.01
27	Tank 7936			VOC	0.63	2.75

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28	Tank 7935	VOC	0.58	0.01
29	Tank 7934	VOC	0.57	0.01
30	Tank 7945	VOC	<0.01	<0.01

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- (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  
NOx - total oxides of nitrogen  
HCl - hydrogen chloride  
COS - carbonyl sulfide  
CH<sub>2</sub>O - formaldehyde  
NH<sub>3</sub> - ammonia  
TMA - Trimethylamine  
MC - Methyl Chloride  
EPI - Epichlorohydrin
- (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 \_\_\_\_\_