

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Permit No. 4005

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)	Name (2)	Source Name (3)	lb/hr	TPY	Air Contaminant	<u>Emission Rates *</u>	
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
					NH <sub>3</sub>	0.06	0.26
10	Aeration Basin				CH <sub>2</sub> O	<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)	Name (2)	Source Name (3)	lb/hr	TPY	Air Contaminant	<u>Emission Rates *</u>	
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	0.56	0.75
17	Scrubber System				VOC	<0.01	0.01
18	Fugitives				VOC	0.64	2.65
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
28	Tank 7935				VOC	0.58	0.01
29	Tank 7934				VOC	0.57	0.01
30	Tank 7945				VOC	<0.01	<0.01
31	Drum Loading				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  
NO<sub>x</sub> - 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 \_\_\_\_\_