

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3186

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 *	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>
094	A-613 Flare (7)	VOC	12.87	13.12
		HCl	0.43	0.49
		H <sub>2</sub> S	0.02	0.03
		NO <sub>x</sub>	1.12	1.92
		SO <sub>2</sub>	1.87	2.83
		CO	8.10	7.82
		Ammonia	0.003	0.001
326	WC241 Scrubber	VOC	0.71	2.53
		H <sub>2</sub> S	0.08	0.29
074	C-208 Scrubber	S <sub>2</sub> Cl <sub>2</sub>	0.11	0.03
154	T-121 Tank	VOC	0.02	0.09
155	T-122 Tank	VOC	0.01	0.05
192	C-183 Scrubber	VOC	2.63	2.71
		H <sub>2</sub> S	0.01	0.04
046	T-441 Tank	VOC	0.48	0.80
052	T-415 Tank	VOC	0.02	0.10
061	T-425 Tank	VOC	0.03	0.15
062	T-426 Tank	VOC	0.03	0.15
063	T-427 Tank	VOC	0.03	0.15

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
064	T-428 Tank	VOC	0.03	0.15
049	T-410 Tank	VOC	0.34	1.29
		Ammonia	0.27	0.21
051	T-414 Tank	VOC	0.33	1.09
		Ammonia	0.27	0.21
053	T-416 Tank	VOC	0.33	1.09
		Ammonia	0.27	0.21
054	T-417 Tank	VOC	0.33	1.28
		Ammonia	0.27	0.21
196	V-102 Vessel	VOC	0.006	0.005
168	V-157 Vessel	VOC	0.072	0.009
273	T-609 Tank	Peroxide	0.146	0.004
275	T-149 Tank	VOC	0.03	0.03
137	T-130 Tank	VOC	<0.001	<0.001
F-1	Fugitives (4)	VOC	1.16	5.23
F-2	Fugitives (4)	VOC	0.64	3.42
F-3	Fugitives (4)	VOC	2.59	12.30
		HCl	0.56	2.77
		H <sub>2</sub> S	0.064	0.084
		S <sub>2</sub> Cl <sub>2</sub>	0.048	0.203
		Ammonia	0.043	0.021
		Peroxide	0.002	0.002
F-9	Fugitives (4)	VOC	0.33	1.45

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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>
	Peroxide	0.27	0.19	

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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
  - HCl - hydrogen chloride
  - H<sub>2</sub>S - hydrogen sulfide
  - S<sub>2</sub>Cl<sub>2</sub> - sulfur monochloride
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Maximum lb/hr emission from any product produced.
- (6) Total annual emissions in tons per year from all products produced.
- (7) Emission rates are those attributed to the SIB unit sources and do not include emissions attributed to other sources on-site.

\* 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 \_\_\_\_\_