

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22872

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)(3)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
71V1053ST	Feed Tank V-1053	potassium hydroxide	0.60	0.01
71V1054ST	Feed Tank V-1054	acetic acid	0.27	<0.01
71V1056ST	Tank V-1056 - PAE	VOC	<0.01	<0.01
71V1057ST	Tank V-1057 - sodium isethionate	VOC	0.01	0.01
71V1060ST	Tank V-1060 - PAE or Fatty Alcohol 0.21	VOC		0.50
71V1061ST	Tank V-1061	sodium bisulfite	<0.01	0.01
		SO <sub>2</sub>	0.90	0.26
71V1063ST	Tank V-1063 - Fatty Alcohol	VOC	0.30	0.29
71V1064ST	Tank V-1064	sodium hydroxide	<0.01	<0.01
71V1067ST	Tank V-1067 - PAE or Fatty Alcohol 0.47	VOC		0.50
71V1068ST	Tank V-1068 sodium isethionate	VOC	<0.01	0.02
71V1069ST	Tank V-1069 - PAE or Fatty Alcohol 0.31	VOC		0.60
71V1070ST	Tank V-1070 - PAE or Fatty Alcohol 0.20	VOC		0.40
71V1071ST	Tank V-1071 - PAE or Fatty Alcohol 0.24	VOC		0.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
71V1072ST	Tank V-1072 - PAE or Fatty Alcohol 0.18		VOC	0.40
71V1073ST	Tank V-1073 - PAE or Fatty Alcohol 0.18		VOC	0.40
71V1074ST	Tank V-1074 - PAE or Fatty Alcohol 0.24		VOC	0.50
71V1075ST	Tank V-1075 - PAE or Fatty Alcohol 0.68		VOC	0.50
71V1077ST	Tank V-1077 - PAE or Fatty Alcohol 0.24		VOC	0.50
71V1081ST	Tank V-1081 - PAE or Fatty Alcohol 0.24		VOC	0.50
71V1089ST	Tank V-1089 - PAE or Fatty Alcohol 0.14		VOC	0.30
71V1091ST	Tank V-1091	sulfuric acid	<0.01	<0.01
71V1092ST	Tank V-1092	sodium hypochlorite	0.60	<0.01
71T140	T-140 Reactor Vent Absorber	ethylene oxide SO <sub>2</sub>	0.08 <0.01	0.03 <0.01
71LOADNG	Railcar/Tank Truck Loading Rack	VOC	<0.01	0.05
71FUG	Process Fugitives (4)	VOC	0.76	3.15

(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) PAE - ethoxylated alcohol

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

SO<sub>2</sub> - sulfur dioxide

(4) Fugitive emissions are an estimate based on component count, factors, and applicable reduction credits for a leak detection and repair program.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/year 8,760

Dated\_\_\_\_\_