

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6754A

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>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
C1282	Wet Scrubber Blower Exhaust 16.00	PM <sub>10</sub>	4.38	
		VOC	0.73	2.68
CECAS-STK	AO Plant Vent Stack	VOC	2.40	5.90
BL4407	PBS-4 Dryer Exhaust Filter	PM <sub>10</sub>	3.20	13.60
BL4608/1	PBS-1 Dryer Exhaust Filter	PM <sub>10</sub>	1.92	8.13
BL4608/2	PBS-1 Dryer Exhaust Filter	PM <sub>10</sub>	1.92	8.13
F4104	Borax Vacuum Filter Exhaust	PM <sub>10</sub>	0.30	0.30
F1102/3	Cyclone Vent Filter	PM <sub>10</sub>	<0.01	<0.01
F1102/4	Silo Vent Filter	PM <sub>10</sub>	<0.01	<0.01
DRUMBLDG	Drum Loading Building	H <sub>2</sub> O <sub>2</sub>	1.70	0.31
LOADRACK	H <sub>2</sub> O <sub>2</sub> Loading Rack	H <sub>2</sub> O <sub>2</sub>	0.11	0.22
TK1/1-15	15 H <sub>2</sub> O <sub>2</sub> Storage Tanks	H <sub>2</sub> O <sub>2</sub>	1.00	3.00
		VOC	<0.01	<0.01
TK2/1-24	24 H <sub>2</sub> O <sub>2</sub> Storage Tanks	H <sub>2</sub> O <sub>2</sub>	1.50	4.50
		VOC	<0.01	< 0.01
V1739/1-4	4 H <sub>2</sub> O <sub>2</sub> Storage Tanks	H <sub>2</sub> O <sub>2</sub>	0.40	1.60

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		VOC	<0.01	<0.01
V1906	Nitric Acid Storage Tank	HNO <sub>3</sub>	<0.01	0.01
V1907	Hydrocarbon Storage Tank	VOC	<0.01	0.01
V1908	Polar Solvent Storage Tank	VOC	<0.01	0.01
PCSTKS/1-3	3 PCS H <sub>2</sub> O <sub>2</sub> Feed Tanks	H <sub>2</sub> O <sub>2</sub>	<0.01	0.01
		VOC	<0.01	0.01
V4204	PBS H <sub>2</sub> O <sub>2</sub> Feed Tank	H <sub>2</sub> O <sub>2</sub>	<0.01	0.01
		VOC	<0.01	0.01
PROCFUG	Process Fugitives (4)	VOC	1.50	6.58
		H <sub>2</sub> O <sub>2</sub>	0.02	0.10
PBSFUGDUST	Fugitive Dust (4)	PM <sub>10</sub>	0.07	0.31
SCRUBVENT	NH <sub>3</sub> Scrubber Vent (5)	NH <sub>3</sub>	0.54	2.37
BLDGVENT	Ventilation Fan Exhaust (5)	NH <sub>3</sub>	0.54	2.37
EGTNKS	Electronic Grade H <sub>2</sub> O <sub>2</sub> Facilities (6) 0.10		H <sub>2</sub> O <sub>2</sub>	0.03
ANALYZ-53	12 Oxygen Analyzers	VOC	0.15	0.65
WCIX-5	Cooling Tower	VOC	1.01	4.42
CARBN-STCK5	Carbon Adsorption System	VOC	2.39	10.48
PROC-FUG5	Plant 5 Process Fugitives (4)	VOC	0.90	3.96
		H <sub>2</sub> O <sub>2</sub>	0.01	0.05

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
TK5/SCB	H <sub>2</sub> O <sub>2</sub> Storage Tanks Scrubber (Tanks V-5660/1&2, V-5780/1&2)	H <sub>2</sub> O <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
DISTIL-AO	4 Distillation Column Steam Vacuum Jets	VOC	0.01	0.05
B-TEMP	100,000 PPH Steam Boiler (125 MM Btu/hr Capacity)	VOC	0.34	1.50
		NO <sub>x</sub>	5.63	24.70
		CO	4.20	18.40
		PM	1.64	7.20
		SO <sub>2</sub>	0.07	0.31
WWSYSTEM	Wastewater Treatment System	VOC	1.42	6.20
V5870/1-3	3 Working Solution Surge Vessels	VOC	<0.01	0.02
SECT-VNT	Oxidizer Feed Tank V1306 Nitrogen Sweep Vent	VOC	0.05	0.21
R5301EMG	Plant 5 Hydrogenation Reactor Emergency Vent	VOC	For Emergency Use Only	
R1301EMG	Hydrogenation Reactor Emergency Vent	VOC	For Emergency Use Only	
NH3PSVVENT	NH <sub>3</sub> Vent Stack	NH <sub>3</sub>	For Emergency Use Only	

(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.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in General Rule 101.1
  - PM - particulate matter
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - H<sub>2</sub>O<sub>2</sub> - hydrogen peroxide
  - HNO<sub>3</sub> - nitric acid
  - PM<sub>10</sub> - particulate matter less than 10 microns
  - NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Rate is maximum rate that would occur during an episode period. Under normal operating conditions the equipment provides the refrigeration building with ventilation.
- (6) Emission point includes H<sub>2</sub>O<sub>2</sub> Sources V-1786, V-3767, V-3768, V-3769, V-3770, V-3771, V-3772, V-3781/1, V-3773, V-3774, V-3775, and EG-SHIPPING which were previously authorized under Standard Exemption Registration No. 30073.

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