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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
ANALYZ-53	12 Oxygen Analyzers	VOC	0.15	0.65
PE-B10	100,000 PPH Steam Boiler (125 MM Btu/hr Capacity) 24.70	VOC	0.34	1.50
		NO_x		5.63
		CO	4.20	18.40
		PM	1.64	7.20
		SO_2	0.07	0.31
BL4407	PBS-4 Dryer Exhaust Filter 13.60	PM_{10}		3.20
BL4608/1	PBS-1 Dryer Exhaust Filter 8.13	PM_{10}		1.92
BL4608/2	PBS-1 Dryer Exhaust Filter 8.13	PM_{10}		1.92
BLDGVENT	Ventilation Fan Exhaust (5) 2.37	NH_3		0.54
C1282	Wet Scrubber Blower Exhaust 16.00	PM_{10}		4.38
		VOC	0.73	2.68
CARBN-STCK5	AO97 CAS Vent	VOC	2.39	10.48
CECAS-STK	AO79 CAS Vent	VOC	2.40	5.90

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
DISTIL-AO	4 Distillation Column Steam Vacuum Jets	VOC	0.01	0.05
DRUMBLDG	Drum Loading Building	H_2O_2	0.061	0.039
EGTKS	Electronic Grade H_2O_2 Facilities (6)	H_2O_2	0.002	0.010
F1102/3	Cyclone Vent Filter	PM_{10}	<0.01	<0.01
F1102/4	Silo Vent Filter	PM_{10}	<0.01	<0.01
F4104	Borax Vacuum Filter Exhaust	PM_{10}	0.30	0.30
LOADRACK	H_2O_2 Loading Rack	H_2O_2	1.422	0.34
NH3PSVVENT	PBS Refrigeration Unit PSV Vent	NH_3	For Emergency Use Only	
PBSFUGDUST	Fugitive Dust (4)	PM_{10}	0.07	0.31
PROCFUG	AO79 Process Fugitives (4)	VOC	1.50	6.58
		H_2O_2	0.02	0.10
PROC-FUG5	AO97 Process Fugitives (4)	VOC	0.90	3.96
		H_2O_2	0.01	0.05
R1301EMG	AO79 Hydrogenation Reactor For Emergency Use Only Emergency Vent	VOC		
R5301EMG	AO97 Hydrogenation Reactor	VOC		

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
	For Emergency Use Only Emergency Vent			
SCRUBVENT	NH_3 Scrubber Vent (5)	NH_3	0.54	2.37
V1121	Tank V-1121	H_2O_2	0.21	0.003
V1123	Tank V-1123	H_2O_2	0.3	<0.001
V1126	Tank V-1126	H_2O_2	0.3	0.001
V1306	Tank V-1306	VOC	0.048	0.21
V1620/1	Tank V-1620/1	H_2O_2	0.418	0.122
V1620/2	Tank V-1620/2	H_2O_2	0.418	0.122
V1620/3	Tank V-1620/3	H_2O_2	0.418	0.122
V1620/4	Tank V-1620/4	H_2O_2	0.418	0.122
V1620/5	Tank V-1620/5	H_2O_2	0.418	0.122
V1718	Tank V-1718	H_2O_2	0.03	0.007
V1721/1	Tank V-1721/1	H_2O_2	0.29	0.145
V1721/2	Tank V-1721/2	H_2O_2	0.29	0.145
V1723	Tank V-1723	H_2O_2	0.06	0.007
V1725	Tank V-1725	H_2O_2	0.299	0.192
V1727	Tank V-1727	H_2O_2	0.299	0.192
V1729	Tank V-1729	H_2O_2	0.299	0.192

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
V1735/1	Tank V-1735/1	H_2O_2	0.549	0.26
V1735/2	Tank V-1735/2	H_2O_2	0.549	0.26
V1735/3	Tank V-1735/3	H_2O_2	0.549	0.26
V1735/4	Tank V-1735/4	H_2O_2	0.549	0.26
V1737/1	Tank V-1737/1	H_2O_2	0.549	0.25
V1737/2	Tank V-1737/2	H_2O_2	0.549	0.25
V1739/1	Tank V-1739/1	H_2O_2	0.484	0.125
V1739/2	Tank V-1739/2	H_2O_2	0.763	0.197
V1739/3	Tank V-1739/3	H_2O_2	0.763	0.197
V1739/4	Tank V-1739/4	H_2O_2	0.763	0.197
V1741/1	Tank V-1741/1	H_2O_2	0.203	0.085
V1741/2	Tank V-1741/2	H_2O_2	0.241	0.097
V1741/3	Tank V-1741/3	H_2O_2	0.38	0.154
V1741/4	Tank V-1741/4	H_2O_2	0.38	0.154
V1741/5	Tank V-1741/5	H_2O_2	0.38	0.154
V1741/6	Tank V-1741/6	H_2O_2	0.607	0.236
V1752/1	Tank V-1752/1	H_2O_2	0.101	0.074
V1752/2	Tank V-1752/2	H_2O_2	0.16	0.115

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
V1752/3	Tank V-1752/3	H_2O_2	0.084	0.065
V1752/4	Tank V-1752/4	H_2O_2	0.084	0.064
V1752/5	Tank V-1752/5	H_2O_2	0.084	0.064
V1752/6	Tank V-1752/6	H_2O_2	0.091	0.074
V1786	Tank V-1786	H_2O_2	0.01	0.002
V1906	Tank V-1906	HNO_3	4.26	0.02
V1907	Tank V-1907	VOC	0.77	0.007
V1908	Tank V-1908	VOC	6.74	0.02
V2718	Tank V-2718	H_2O_2	0.03	0.007
V2723	Tank V-2723	H_2O_2	0.06	0.007
V3620/1	Tank V-3620/1	H_2O_2	0.909	0.25
V3620/2	Tank V-3620/2	H_2O_2	0.418	0.110
V3723	Tank V-3723	H_2O_2	0.005	<0.001
V3741/1	Tank V-3741/1	H_2O_2	0.124	0.064
V3741/2	Tank V-3741/2	H_2O_2	0.124	0.064
V3741/3	Tank V-3741/3	H_2O_2	0.124	0.064
V3741/4	Tank V-3741/4	H_2O_2	0.08	<0.001
V3741/5	Tank V-3741/5	H_2O_2	0.24	0.129

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
V3741/6	Tank V-3741/6	H_2O_2	0.347	0.182
V3754	Tank V-3754	H_2O_2	0.008	<0.001
V3756	Tank V-3756	H_2O_2	0.008	<0.001
V3757	Tank V-3757	H_2O_2	0.008	<0.001
V3767	Tank V-3767	H_2O_2	0.074	0.064
V3768	Tank V-3768	H_2O_2	0.074	0.064
V3769	Tank V-3769	H_2O_2	0.008	0.001
V3771	Tank V-3771	H_2O_2	0.004	<0.001
V3772	Tank V-3772	H_2O_2	0.008	0.001
V4204	Tank V-4204	H_2O_2	0.2	0.009
V5660/1	Tank V-5660/1	H_2O_2	0.11	0.06
V5660/2	Tank V-5660/2	H_2O_2	(7)	0.06
V5780/1	Tank V-5780/1	H_2O_2	0.011	0.03
V5780/2	Tank V-5780/2	H_2O_2	0.011	0.03
V5870	Tank V-5870	VOC	<0.001	<0.001
V5878	Tank V-5878	VOC	<0.001	<0.001
V5890	Tank V-5890	VOC	<0.001	<0.001
WCIX-5	Cooling Tower	VOC	1.01	4.42

WWSYSTEM	Wastewater Treatment System	VOC	1.42 6.20

(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_x - total oxides of nitrogen
CO - carbon monoxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO_2 - sulfur dioxide
H_2O_2 - hydrogen peroxide
HNO_3 - nitric acid
NH_3 - 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_2O_2 Sources V-3770, V-3781/1, V-3773, V-3774, and V-3775.
(7) Only Tank No. V-5660/1 or V-5660/2 will be filling at any one time.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

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

Dated_____