EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 **
220FUGDUST	220 Fugitive Dust	PM_{10}	0.230	1.000
230FUGDUST	230 Fugitive Dust	PM_{10}	0.108	0.470
ANALYZ-53	12 Oxygen Analyzers	VOC	0.150	0.650
AO97-CAS	AO97 CAS Vent	VOC	2.390	10.480
BL4257/1	220 PCS Granulator Exhaust Scrubber 1	PM_{10}	5.080	22.250
BL4257/2	220 PCS Granulator Exhaust Scrubber 2	PM_{10}	5.080	22.250
BL4608/1	220 PCS Coating/Cooling Exhaust 10.510 Filter 1	PM_{10}	2.400	
BL4608/2	220 PCS Coating/Cooling Exhaust 10.510 Filter 2	PM_{10}	2.400	
C1282	230 Wet Scrubber Blower Exhaust 16.000	PM_{10}	4.380	
		VOC	0.730	2.680
DISTIL-AO	4 Distillation Column Steam Vacuum Jets	VOC	0.010	0.050
DRUMBLDG	Drum Loading Building	H_2O_2	0.061	0.039

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
EGTKS	Electronic Grade H_2O_2 Facilities (5)	H_2O_2	0.002	0.010
F1105	230 Soda Ash Filter Vent	PM_{10}	0.010	0.010
F1268/1,2	230 PCS Silo Vent Filters	PM_{10}	0.010	0.010
F4104	220 Soda Ash Unloading Filter Exhaust	PM_{10}	0.051	0.223
LOADRACK	H_2O_2 Loading Rack	H_2O_2	1.422	0.383
PROCFUG	AO79 Process Fugitives (4)	VOC H_2O_2	0.303 0.020	1.328 0.100
PROC-FUG5	AO97 Process Fugitives (4)	VOC H_2O_2	0.900 0.010	3.960 0.050
R1301EMG Only	AO79 Hydrogenation Reactor Emergency Vent	VOC	For Emergency Use	
R5301EMG Only	AO97 Hydrogenation Reactor Emergency Vent	VOC	For Emergency Use	
V1121	Tank V-1121 (7)	H_2O_2	(7)	0.009
V1123	Tank V-1123 (7)	H_2O_2	(7)	0.006
V1126	Tank V-1126	H_2O_2	0.670	0.005
V1306	Tank V-1306	VOC	0.048	0.210
V1620/1	Tank V-1620/1	H_2O_2	0.418	0.122

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
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	0.030	0.007
V1721/1	Tank V-1721/1	H_2O_2	0.290	0.145
V1721/2	Tank V-1721/2	H_2O_2	0.290	0.145
V1723	Tank V-1723	H_2O_2	0.060	0.007
V1727	Tank V-1727	H_2O_2	0.299	0.192
V1729	Tank V-1729	H_2O_2	0.299	0.192
V1735/1	Tank V-1735/1	H_2O_2	0.549	0.260
V1735/2	Tank V-1735/2	H_2O_2	0.549	0.260
V1735/3	Tank V-1735/3	H_2O_2	0.549	0.260
V1735/4	Tank V-1735/4	H_2O_2	0.549	0.260
V1737/1	Tank V-1737/1	H_2O_2	0.549	0.250
V1737/2	Tank V-1737/2	H_2O_2	0.549	0.250
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

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 **
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	0.380	0.154
V1741/4	Tank V-1741/4	H_2O_2	0.380	0.154
V1741/5	Tank V-1741/5	H_2O_2	0.380	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	0.160	0.115
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	0.010	0.002
V1906	Tank V-1906	HNO_3	4.260	0.020
V1907	Tank V-1907	VOC	0.770	0.009
V1908	Tank V-1908	VOC	6.740	0.030

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 **
V2718	Tank V-2718	H_2O_2	0.030	0.007
V2723	Tank V-2723	H_2O_2	0.060	0.007
V3620/1	Tank V-3620/1	H_2O_2	0.909	0.250
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	0.080	<0.001
V3741/5	Tank V-3741/5	H_2O_2	0.240	0.129
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

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 **
V3772	Tank V-3772	H_2O_2	0.008	0.001
V4204	Tank V-4204 (7)	H_2O_2	1.070	0.024
V4902	Tank V-4902	VOC	0.003	<0.001
V5660/1	Tank V-5660/1 (6)	H_2O_2	0.130	0.060
V5660/2	Tank V-5660/2	H_2O_2	(6)	0.060
V5780/1	Tank V-5780/1	H_2O_2	0.011	0.030
V5780/2	Tank V-5780/2	H_2O_2	0.011	0.030
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	1.010	4.420
WWSYSTEM	Wastewater Treatment System (8)	VOC	6.200	1.420

(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 Title 30 Texas Administrative Code § 101.1
PM_{10} - particulate matter (PM) 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.
H_2O_2 - hydrogen peroxide
HNO_3 - nitric acid
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Emission point includes H_2O_2 Sources V-3770, V-3781/1, V-3773, V-3774, and V-3775.
(6) Only Tank No. V-5660/1 or V-5660/2 will be filling at any one time.
(7) Only one of these three Tanks (V-1121, V-1123, or V-4204) will be filling at any one time.
(8) The Wastewater Treatment System will be shut down after the new membrane system (authorized under PBR No. 73207) is fully operational or by December 31, 2004.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* 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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated _____