

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	0.23	1.00
230FUGDUST	230 Fugitive Dust	PM ₁₀	0.11	0.47
110FUGDUST	PCS Grinding Operations	PM ₁₀	0.04	0.01
AMINE-TOTE	Tank AMINE-TOTE	VOC	0.01	0.01
ANALYZ-53	12 Oxygen Analyzers	VOC	0.14	0.60
AO97-CAS	AO97 CAS Vent	VOC	2.45	10.73
BL4257/1	220 PCS Granulator Exhaust Scrubber 1	PM ₁₀	5.08	22.25
BL4257/2	220 PCS Granulator Exhaust Scrubber 2	PM ₁₀	5.08	22.25
BL4608/1	220 PCS Coating/Cooling Exhaust 10.51 Filter 1	PM ₁₀		2.40
BL4608/2	220 PCS Coating/Cooling Exhaust 10.51 Filter 2	PM ₁₀		2.40
C1282	230 Wet Scrubber Blower Exhaust 16.00	PM ₁₀		3.65
		VOC	0.61	2.68

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DISTIL-AO	4 Distillation Column Steam Vacuum Jets	VOC	0.01	0.04
DRUMBLDG	Drum Loading Building	H ₂ O ₂	0.06	0.04
EG95	Electronic Grade H ₂ O ₂ Facilities (5)	H ₂ O ₂	0.04	0.01
EG91	EG91 Resin Beds	H ₂ O ₂	0.09	0.01
F1105	230 Soda Ash Filter Vent	PM ₁₀	0.01	0.43
F1268/1,2	230 PCS Silo Vent Filters	PM ₁₀	0.02	0.11
F4104	220 Soda Ash Unloading Filter Exhaust	PM ₁₀	0.05	0.22
HTP-VENT	HTP Vent Scrubber	H ₂ O ₂	0.03	0.14
LOADRACK	H ₂ O ₂ Loading Rack	H ₂ O ₂	1.42	0.38
PROCFUG	AO79 Process Fugitives (4)	VOC	0.30	1.33
		H ₂ O ₂	0.02	0.10
PROC-FUG5	AO97 Process Fugitives (4)	VOC	1.09	4.75
		H ₂ O ₂	0.09	0.38
V1121	Tank V-1121 (7)	H ₂ O ₂	1.07	0.01
V1123	Tank V-1123 (7)	H ₂ O ₂	1.07	0.01
V1126	Tank V-1126	H ₂ O ₂	1.07	0.01
V1306	Tank V-1306	VOC	0.05	0.21

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
V1620/1	Tank V-1620/1	H ₂ O ₂	0.42	0.12
		VOC 0.88	0.01	
V1620/2	Tank V-1620/2	H ₂ O ₂	0.42	0.12
		VOC 0.88	0.01	
V1620/3	Tank V-1620/3	H ₂ O ₂	0.42	0.12
		VOC 0.88	0.01	
V1620/4	Tank V-1620/4	H ₂ O ₂	0.42	0.12
		VOC 0.88	0.01	
V1620/5	Tank V-1620/5	H ₂ O ₂	0.42	0.12
		VOC 0.88	0.01	
V1718	Tank V-1718	H ₂ O ₂	0.03	0.01
V1721/1	Tank V-1721/1	H ₂ O ₂	0.29	0.14
V1721/2	Tank V-1721/2	H ₂ O ₂	0.29	0.14
V1723	Tank V-1723	H ₂ O ₂	0.06	0.01
V1724	Tank V-1724	H ₂ O ₂	0.05	0.01
V1735/1	Tank V-1735/1	H ₂ O ₂	0.54	0.25
V1735/2	Tank V-1735/2	H ₂ O ₂	0.54	0.25
V1735/3	Tank V-1735/3	H ₂ O ₂	0.54	0.25
V1735/4	Tank V-1735/4	H ₂ O ₂	0.54	0.25
V1737/1	Tank V-1737/1	H ₂ O ₂	0.54	0.24
V1737/2	Tank V-1737/2	H ₂ O ₂	0.54	0.24

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V1739/1	Tank V-1739/1	H ₂ O ₂	0.48	0.12
V1739/2	Tank V-1739/2	H ₂ O ₂	0.76	0.19
V1739/3	Tank V-1739/3	H ₂ O ₂	0.76	0.19
V1739/4	Tank V-1739/4	H ₂ O ₂	0.76	0.19
V1741/1	Tank V-1741/1	H ₂ O ₂	0.38	0.25
V1741/2	Tank V-1741/2	H ₂ O ₂	0.24	0.09
V1741/3	Tank V-1741/3	H ₂ O ₂	0.38	0.24
V1741/4	Tank V-1741/4	H ₂ O ₂	0.38	0.15
V1741/5	Tank V-1741/5	H ₂ O ₂	0.38	0.15
V1741/6	Tank V-1741/6	H ₂ O ₂	0.61	0.22
V1752/1	Tank V-1752/1	H ₂ O ₂	0.10	0.07
V1752/2	Tank V-1752/2	H ₂ O ₂	0.16	0.11
V1752/3	Tank V-1752/3	H ₂ O ₂	0.09	0.06
V1752/4	Tank V-1752/4	H ₂ O ₂	0.09	0.06
V1752/5	Tank V-1752/5	H ₂ O ₂	0.09	0.06
V1752/6	Tank V-1752/6	H ₂ O ₂	0.09	0.07
V1786	Tank V-1786	H ₂ O ₂	0.01	0.01
V1906	Tank V-1906	HNO ₃	1.65	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
V1907	Tank V-1907	VOC	0.89	0.01
V1908	Tank V-1908	VOC	2.10	0.01
V1921	Tank V1921	VOC	0.43	0.01
V-1987	Emergency Storage Tank	VOC	0.01	0.01
V2000	Tank V-2000	VOC	2.87	0.01
V2718	Tank V-2718	H ₂ O ₂	0.03	0.01
V2723	Tank V-2723	H ₂ O ₂	0.06	0.01
V2920	Tank V2920	H ₂ O ₂	0.13	0.01
V3620/1	Tank V-3620/1	H ₂ O ₂	0.90	0.24
V3620/2	Tank V-3620/2	H ₂ O ₂	0.41	0.10
V3620/3	Tank V3620/3	H ₂ O ₂	0.07	0.01
V3723	Tank V-3723	H ₂ O ₂	0.01	0.01
V3741/1	Tank V-3741/1	H ₂ O ₂	0.12	0.06
V3741/2	Tank V-3741/2	H ₂ O ₂	0.12	0.06
V3741/3	Tank V-3741/3	H ₂ O ₂	0.12	0.06
V3741/4	Tank V-3741/4	H ₂ O ₂	0.08	0.01
V3741/5	Tank V-3741/5	H ₂ O ₂	0.24	0.12
V3741/6	Tank V-3741/6	H ₂ O ₂	0.34	0.17

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
V3754	Tank V-3754	H ₂ O ₂	0.01	0.01
V3756	Tank V-3756	H ₂ O ₂	0.01	0.01
V3757	Tank V-3757	H ₂ O ₂	0.01	0.01
V3767	Tank V-3767	H ₂ O ₂	0.07	0.06
V3768	Tank V-3768	H ₂ O ₂	0.07	0.06
V3769	Tank V-3769	H ₂ O ₂	0.01	0.01
V3771	Tank V-3771	H ₂ O ₂	0.01	0.01
V3772	Tank V-3772	H ₂ O ₂	0.01	0.01
V3783	Tank V3783	H ₂ O ₂	0.01	0.01
V4204	Tank V-4204 (7)	H ₂ O ₂	1.07	0.02
V4902	Tank V-4902	VOC	0.01	0.01
V-5165	Darkwater Run Tank	VOC	0.01	0.01
V-5166	pH Adjustment Tank	VOC	0.01	0.01
V-5172	1st Stage Feed Tank	VOC	0.01	0.01
V-5175	2nd Stage Feed Tank	VOC	0.01	0.01
V-5177	Concentrate Tank	VOC	0.01	0.01
V-5183	1st Stage CIP Holding Tank	VOC	0.01	0.01
V-5190	2nd Stage CIP Holding Tank	VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY **
V5470	Tank V-5470	VOC	0.71	0.05
V5660/1	Tank V-5660/1 (6)	H ₂ O ₂	0.11	0.06
V5660/2	Tank V-5660/2 (6)	H ₂ O ₂	0.11	0.06
V5718	Tank V5718	H ₂ O ₂	0.05	0.01
V5721	Tank V5721	H ₂ O ₂	0.16	0.01
V5724	Tank V5724	H ₂ O ₂	0.06	0.01
V5780/1	Tank V-5780/1	H ₂ O ₂	0.18	0.11
V5780/2	Tank V-5780/2	H ₂ O ₂	0.18	0.11
V-5862	Alkaline Reversion Decanter	VOC	0.01	0.01
V5870	Tank V-5870	VOC	0.89	0.01
V5878	Tank V-5878	VOC	1.26	0.01
V5890	Tank V-5890	VOC	0.17	0.01
WCIX-5	Cooling Tower	VOC	0.13	0.57
WWSYSTEM	Wastewater Treatment System	VOC	0.68	3.00
WW-FUG	Wastewater Treatment Fugitive Emissions	VOC	0.01	0.02
WWLOAD	Wastewater Concentrate Loading	VOC	0.22	0.02

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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 Title 30 Texas Administrative Code § 101.1
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

H₂O₂ - hydrogen peroxide
HNO₃ - nitric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission point includes H₂O₂ 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.

* 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.