

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, sources, and related activities. 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 (7)	
			lbs/hour	TPY (4)
230FUGDUST	230 Fugitive Dust	PM	0.12	0.54
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.02	0.08
AGSAMPLE	AG Sample Waste Vessel	H ₂ O ₂	< 0.01	< 0.01
ANALYZ-53	Gas Analyzers	H ₂ O ₂	< 0.01	0.02
		VOC	0.62	2.72
AO97-CAS	AO97 CAS Vent	VOC	3.42	14.97
V5346	AO Cyclone	VOC	604.63	7.06
C1282	230 Wet Scrubber Blower Exhaust	PM	3.65	16.00
		PM ₁₀	3.65	16.00
		PM _{2.5}	3.65	16.00
		VOC	0.61	2.68
DISTIL-AO	2 Distillation Column Steam Vacuum Jets	VOC	0.01	0.03
DRUMBLDG	Drum Loading	H ₂ O ₂	0.05	0.01
EG91	EG91 Resin Beds	H ₂ O ₂	0.07	0.01
EG95	Electronic Grade H ₂ O ₂ Facilities (5)	H ₂ O ₂	0.07	0.02
EGLOAD	EGLOAD	H ₂ O ₂	0.03	0.02
F1268/1, 2	230 PCS Silo Vent Filters	PM	0.01	0.04
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
LOADRACK	H ₂ O ₂ Loading Rack	H ₂ O ₂	3.04	0.80
PCSLOADA	PCS Railcar Loading	PM	0.23	0.08
		PM ₁₀	0.02	< 0.01
		PM _{2.5}	0.02	< 0.01

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PROC-FUG5	Process Fugitives (1)	H ₂ O ₂	0.79	3.48
		VOC	1.27	5.56
SAPPBATCH	SAPP Batch Loading	PM	0.26	0.01
		PM ₁₀	0.26	0.01
		PM _{2.5}	0.26	0.01
T5604	Tower T-5604	H ₂ O ₂	0.20	< 0.01
		VOC	< 0.01	< 0.01
V117	Tank V-117	VOC	< 0.01	< 0.01
V118	Tank V-118	VOC	< 0.01	< 0.01
V1620/2	Tank V-1620/2	H ₂ O ₂	12.13	0.80
V1620/3	Tank V-1620/3	H ₂ O ₂	0.14	0.02
V1620/4	Tank V-1620/4	H ₂ O ₂	1.61	0.11
V1620/5	Tank V-1620/5	H ₂ O ₂	1.46	0.13
V1701	Tank V-1701	H ₂ O ₂	0.01	< 0.01
V1718	Tank V-1718	H ₂ O ₂	0.04	0.01
V1721/1	Tank V-1721/1	H ₂ O ₂	0.93	0.07
V1723	Tank V-1723	H ₂ O ₂	0.05	< 0.01
V1724	Tank V-1724	H ₂ O ₂	< 0.01	< 0.01
V1735/1	Tank V-1735/1	H ₂ O ₂	10.86	0.68
V1735/2	Tank V-1735/2	H ₂ O ₂	10.86	0.68
V1735/3	Tank V-1735/3	H ₂ O ₂	10.86	0.68
V1737/1	Tank V-1737/1	H ₂ O ₂	11.09	0.69
V1737/2	Tank V-1737/2	H ₂ O ₂	11.09	0.69
V1741/1	Tank V-1741/1	H ₂ O ₂	9.24	0.69
V1741/3	Tank V-1741/3	H ₂ O ₂	9.24	0.69
V1741/5	Tank V-1741/3	H ₂ O ₂	9.24	0.69
V1752/1	Tank V-1752/1	H ₂ O ₂	2.61	0.16
V1752/2	Tank V-1752/2	H ₂ O ₂	2.61	0.16
V1752/3	Tank V-1752/3	H ₂ O ₂	2.64	0.17

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V1752/4	Tank V-1752/4	H ₂ O ₂	2.64	0.17
V1752/5	Tank V-1752/5	H ₂ O ₂	2.64	0.17
V1752/6	Tank V-1752/6	H ₂ O ₂	2.64	0.17
V1770/1	Tank V-1777/1	H ₂ O ₂	1.01	0.06
V1770/2	Tank V-1770/2	H ₂ O ₂	1.01	0.06
V1906	Tank V-1906	HNO ₃	0.66	0.01
V1907	Tank V-1907	VOC	0.96	0.01
V1908	Tank V-1908	VOC	0.31	< 0.01
V1921	Tank V-1921	VOC	0.36	0.01
V1971	Tank V-1971	HNO ₃	< 0.01	< 0.01
V2000	Tank V-2000	VOC	< 0.01	< 0.01
V2920	Tank V-2920	H ₂ O ₂	< 0.01	< 0.01
V3620/3	Tank V-3620/3	VOC	< 0.01	< 0.01
V3707	Tank V-3707	H ₂ O ₂	< 0.01	< 0.01
V3741/1	Tank V-3741/1	H ₂ O ₂	0.81	0.05
V3741/2	Tank V-3741/2	H ₂ O ₂	0.81	0.05
V3741/3	Tank V-3741/3	H ₂ O ₂	0.81	0.05
V3741/4	Tank V-3741/4	H ₂ O ₂	0.81	0.05
V3741/5	Tank V-3741/5	H ₂ O ₂	0.81	0.05
V3741/6	Tank V-3741/6	H ₂ O ₂	0.81	0.05
V3746/1	Tank V-3746/1	H ₂ O ₂	0.05	0.01
V3746/2	Tank V-3746/2	H ₂ O ₂	0.05	0.01
V3746/3	Tank V-3746/3	H ₂ O ₂	0.05	0.01
V3754	Tank V-3754	H ₂ O ₂	0.01	< 0.01
V3756	Tank V-3756	H ₂ O ₂	0.02	< 0.01
V3757	Tank V-3757	H ₂ O ₂	< 0.01	< 0.01
V3762	Tank V-3762	H ₂ O ₂	< 0.01	< 0.01
V3765	Tank V-3765	H ₂ O ₂	< 0.01	< 0.01
V3769	Tank V-3769	H ₂ O ₂	0.01	< 0.01

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V3771	Tank V-3771	H ₂ O ₂	0.07	< 0.01
V3772	Tank V-3772	H ₂ O ₂	0.02	< 0.01
V3783	Tank V-3783	H ₂ O ₂	0.02	< 0.01
V3845	Tank V-3845	H ₂ O ₂	< 0.01	< 0.01
V4204	Tank V-4204	H ₂ O ₂	0.56	0.03
V5114/1	Tank V-5114/1	VOC	0.01	< 0.01
V5120	Decanter V-5120	H ₂ O ₂	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
V5125	Tank V-5125	H ₂ O ₂	< 0.01	< 0.01
V5126	Tank V-5126	VOC	< 0.01	< 0.01
V5160	Tank V-5160	VOC	< 0.01	< 0.01
V5165	Darkwater Run Tank	VOC	1.45	0.14
V5166	pH Adjustment Tank	VOC	< 0.01	< 0.01
V5362	Tank V-5362	VOC	0.02	0.01
V5382	Tank V-5382	VOC	0.49	0.01
V5388	Decanter V-5160	VOC	0.54	0.01
V5394	Tank V-5394	HNO ₃	< 0.01	< 0.01
V5396	Tank V-5396	HNO ₃	< 0.01	< 0.01
V5470	Tank V-5470	VOC	< 0.01	< 0.01
V5500	Tank V-5500	H ₂ O ₂	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
V5622	Tank V-5622	VOC	0.04	0.01
V5624	Tank V-5624	VOC	0.16	0.01
V5660/1	Tank V-5660/1 (6)	H ₂ O ₂	30.17	2.49
V5660/2	Tank V-5660/2 (6)	H ₂ O ₂	30.17	2.49
V5718	Tank V-5718	H ₂ O ₂	0.08	< 0.01
V5721	Tank V-5721	H ₂ O ₂	0.14	< 0.01
V5724	Tank V-5724	H ₂ O ₂	< 0.01	< 0.01
V5730	Tank V-5730	H ₂ O ₂	< 0.01	< 0.01

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V5780/1	Tank V-5780/1	H ₂ O ₂	46.27	5.22
V5780/2	Tank V-5780/2	H ₂ O ₂	46.27	5.22
V5858	Tank V-5858	VOC	< 0.01	< 0.01
V5862	Alkaline Reversion Decanter	VOC	0.01	< 0.01
V5870	Tank V-5870	VOC	0.15	< 0.01
V5878	Tank V-5878	VOC	0.10	< 0.01
V5888	Tank V-5888	VOC	< 0.01	< 0.01
V5890	Tank V-5890	VOC	0.18	0.02
WCIX-5	Cooling Tower	VOC	0.13	0.57
DAF	DAF	VOC	0.01	0.01
POND1	Pond 1	VOC	0.06	0.07
POND2	Pond 2	VOC	0.06	0.07
POND3	Pond 3	VOC	0.11	0.13
POND4	Pond 4	VOC	< 0.01	< 0.01
WWFUG	Wastewater Treatment Fugitive Emissions	VOC	< 0.01	0.02

- (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
H₂O₂ - hydrogen peroxide
HNO₃ - nitric acid
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission point include H₂O₂ sources V-3781/1, V-3781/2 and V-3781/3
- (6) Only Tank No. V-5660/1 or V-5660/2 will be filling at any one time.
- (7) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: October 16, 2019