

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9600

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
(4)				
EC001A	Main Cooling Tower	VOC	0.24	1.04
EC001B	EO/PO Storage Cooling Tower	VOC	0.01	0.04
EC001C	Dioxane Stripper Cooling Tower	VOC	0.12	0.52
EF001A	Fugitives (5)	VOC (7)	0.330	1.45
		EO	0.049	0.22
		PO	0.035	0.15
EF001C	Fugitives (5)	VOC	0.04	0.16
EF001D	ACT Pig Station	VOC	0.083	0.03
EF001E	R-200 Pig Station	VOC	0.083	0.03
EFL1	Uncollected Truck Loading Emissions	VOC	1.21	1.82
EV001	Oxylation Blend Tank 1	VOC	0.937 (6)	0.099
EV002	Oxylation Blend Tank 2	VOC	0.937 (6)	0.099
EV003	Oxylation Blend Tank 3	VOC	0.937 (6)	0.099
EV1	Venturi Scrubber	Phosphoric Acid	0.001	0.22
EV2	Stripper	VOC	0.33	0.58
EV3	Drum Loading Scrubber	VOC	0.32	0.06
EV3FUG	Uncollected Drum Loading Emissions	VOC	0.05	0.005

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EV4	V-004 Scrubber	VOC (7)	18.6	4.39
		EO	0.26	0.04
		PO	0.11	0.01
EV5	Reactor V-008 Scrubber	VOC	4.52	0.87
EW-A-FUG	Wastewater System Emissions	VOC	0.22	0.97
FUG099	Tank 099 Fugitives (5)	VOC	0.02	0.07
FUG167	Tank 167 Fugitives (5)	VOC	0.04	0.16
FUG270	Tank 270 Fugitives (5)	VOC	0.05	0.22
FUG271	Tank 271 Fugitives (5)	VOC	0.05	0.22
FUG280	Tank 280 Fugitives (5)	VOC	0.08	0.34
FUG281	Tank 281 Fugitives (5)	VOC	0.07	0.30
R-400	Scrubber	EO		0.04
		PO		0.02
R-400FUG	Fugitives (5)	EO	0.064	0.28
		PO	0.029	0.127
T099	Hold Tank	VOC	0.938	0.06
T167	Witco C-5466 Tank	VOC	2.74	0.16
T270	Blend Tank	VOC	0.008	0.009
T271	Blend Tank	VOC	0.008	0.009
T280	Blend Tank	VOC	0.01	0.03
T281	Blend Tank	VOC	0.008	0.009

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
EO - ethylene oxide
PO - propylene oxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) Only one blend tank will be filled at any one time.
- (7) Includes EO and PO emissions

Dated: August 11, 2011