

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20621

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 **
SCR-900V	Scrubber	VOC	0.03	0.02
T901V	DMA Tank	DMA	<0.01	<0.01
T904V	Ester Tank	VOC	0.11	0.01
T906V	CH ₃ OH Tank 906 (5)	CH ₃ OH	4.05	0.11
T908V	Acid Tank	H ₂ SO ₄	<0.01	0.01
T912V	Product Tank	VOC	0.08	0.02
T913V	MeOH Feed Tank	CH ₃ OH	0.73	0.06
T914V	MeOH Tank 914 (5)	MeOH	4.85	0.28
T916V	MeOH Store Tank	CH ₃ OH	0.73	0.06
T-17V	Caustic Tank	NaOH	0.08	<0.01
FU-1	DMA Unload/ Storage (4)	DMA	0.19	0.31
FU-2	Product Load/ Unload (4)	VOC	<0.01	<0.01
FU-BF3	BF ₃ Component Fugitives (4)	VOC	0.16	0.23
FU-900C	CADMA Process Fugitives (4)	VOC	0.18	0.77

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FU-900D	Process Area/ Storage (4)	DMA	0.05	0.20
FU-900M	Process Area/ Storage (4)	MeOH	0.13	0.58
T-41V	Tank T-41V	VOC	0.03	0.01
R900RL-1	MEOH/Glycerol (5) Railcar Loading	VOC	5.40	0.28
R900TL-1	Triazine Truck Loading	VOC	2.47	0.08
R900TL-2	CADMA Truck Loading (5)	VOC	0.02	0.01
FU-900T	Triazine Process Fugitives (4)	VOC	0.18	0.78
T-36U	TMAC Storage	TMAC	<0.01	<0.01
R-3V	Scrubber V-003	VOC	4.82	0.25
FU-R003	Reactor R-003 Comp. Fugitives (4)	VOC	0.21	0.93
TL-3V	TMAC Truck Loading	TMAC	<0.01	<0.01
FU-RRT	Fugitives (4)	TMA	<0.01	<0.01
AMDRI	TMAC Drumming	TMAC	<0.01	<0.01
FU-T4	Fugitives (4)	MeCl	0.09	0.03
FU-R001	Fugitives (4)	VOC	0.08	0.33

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T-90V	Glyc. Monochl. Vent	VOC	0.01	0.01
FU-T90	Glyc. Monochl. Tank Fugitives (4)	VOC	0.36	0.08
FU-T92	Clasta XP Comp. Fugitives (4)	VOC	0.11	0.49
FU-T93	Bisquat Comp. Fugitives (4)	VOC	0.11	0.49
T-94V	Epichlorohydrin Tank Vent	VOC	0.01	0.06
FU-T94	Epichlorohydrin Comp. Fugitives (4)	VOC	0.16	0.71
T-308V	Poly-Epi Tank Vent (5)	VOC	1.58	0.01
FU-T308	Poly-Epi Comp Fugitives (4), (5)	VOC	0.09	0.41
FU-T38	TMA Component Fugitives (5)	VOC	0.01	0.01
FU-V103	Scrubber V-103 Fugitives	VOC	0.01	0.02
SCR-103	Acid Scrubber Vent	VOC	0.33	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) CH₃OH - methyl alcohol
 DMA - dimethylamine
 H₂SO₄ - sulfuric acid
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 MeOH - methanol
 NaOH - sodium hydroxide
 TMAC - tetra-methyl-ammonium chloride
 TMA - trimethylamine

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MeC1	- methyl chloride			

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- (4) Fugitive emissions rates are an estimate and are enforceable through compliance with the applicable special conditions and permit application representations.
- (5) Emission rates were previously authorized under Permit by Rule Registration as PBR 54928, 48311, or 51359.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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

Dated December 20, 2004