

## 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(6)	VOC	0.19	0.02
T901V	DMA Tank	DMA	0.01	0.01
T904V	Ester Tank	VOC	1.79	0.10
T906V	MeOH Tank 906 (5)	MeOH	8.26	0.11
T908V	Acid Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
T912V	Product Tank	VOC	0.21	0.01
T913V	MeOH Feed Tank	MeOH	0.21	0.01
T914V	MeOH Tank 914 (5)	MeOH	8.25	0.28
T916V	MeOH Store Tank	MeOH	0.73	0.08
T-17V	Caustic Tank	KOH	0.10	0.01
FU-1	DMA Unload/Storage Process Fugitives (4)	DMA	0.19	0.31
FU-2	Product Load/Unload Process Fugitives (4)(6)	VOC	0.51	0.16
FU-BF3	BF <sub>3</sub> Component Process Fugitives (4)	VOC	0.16	0.23

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FU-900C	CADMA Process Fugitives (4)	VOC	0.18	0.77
FU-900D	Process Area/Storage Process Fugitives (4)	DMA	0.05	0.21
FU-900M	Process Area/Storage Process Fugitives (4)(6)	MeOH	0.12	0.52
T-41V	Tank T-41V	VOC	0.04	0.01
R900RL-1	MeOH/Glycerol (5) Railcar Loading	VOC	5.40	0.28
R900TL-1	Triazine Truck Loading	VOC	2.47	0.07
R900TL-2	CADMA Truck Loading (5)	VOC	0.02	0.01
FU-900T	Triazine Process Fugitives(4)	VOC	0.09	0.14
T-36U	TMAC Storage	TMAC	0.10	0.01
R-3V	Scrubber V-003	VOC	4.82	0.35
FU-R003	Reactor R-003 Component Process Fugitives (4)	VOC	0.21	0.94
TL-3V	TMAC Truck Loading	TMAC	0.12	0.01
FU-RRT	Process Fugitives(4)	TMA	0.01	0.01
AMDRI	TMAC Drumming	TMAC	0.14	0.01
FU-T4	Tank T-94 Process Fugitives (4)	MeCl	0.09	0.03
FU-R001	Reactor 003 Area	VOC	0.08	0.33

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			Emission Rates *	
			lb/hr	TPY **
T-90V	Process Fugitives(4) Glyc. Monochl. Vent	VOC	0.01	0.01
FU-T90	Glyc. Monochl. Tank Process Fugitives (4)	VOC	0.08	0.36
FU-T92	Clasta XP Component Process Fugitives (4)	VOC	0.11	0.49
FU-T93	Bisquat Component Process Fugitives (4)	VOC	0.11	0.49
T-94V	Epichlorohydrin Tank Vent	VOC	0.01	0.06
FU-T94	Epichlorohydrin Component. Process Fugitives (4)	VOC	0.16	0.71
T-308V	Poly-Epi Tank Vent (5)	VOC	1.57	0.02
FU-T308	Poly-Epi Component Process Fugitives(4)(5)	VOC	0.09	0.41
FU-T38	TMA Component Process Fugitives (4)(5)	VOC	0.01	0.01
FU-V103	Scrubber V-103 Area Process Fugitives (4)	VOC	0.01	0.02
SCR-103	Acid Scrubber Vent	VOC	0.33	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) DMA - dimethylamine  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
MeOH - methanol  
KOH - potassium hydroxide  
TMAC - tetra-methyl-ammonium chloride  
TMA - trimethylamine  
MeCl - methyl chloride
  - (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 (PBR) Number 54928, 48311, or 51359.
  - (6) Emission rates include all emissions at the site authorized by PBR Number 75995.
- \* 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 February 6, 2007