

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 38631

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**
CAS-REAC	Storage Tanks T-120,T-130, and T-621 Carbon Adsorption System	VOC 0.09		1.03
T-550 and T-555	Propylene Glycol Storage Tank	VOC (6)	0.03	0.01
T-575	Alcohol Storage Tanks	VOC	0.07	0.03
Slurry	Slurry Storage Tanks T-577, T-578, T-579, T-580, T-581, T-582, T-583, T-584, T-585, T-586, and T-587	VOC (6)	0.52	0.96
T-630	Slop Hydrocarbon Tank	VOC	0.20	0.01
407Vent	Polymer Preparation Vent	VOC PM	0.41 0.03	1.79 0.11
Reactor	Reactor Purge Carbon System	VOC	0.25	1.11
D-500 and D-1500	Slurry Mix Tanks (LP)	VOC (6) PM/PM <sub>10</sub>	0.57 0.03	1.09 0.13
D-520 and D-1520	Slurry Mix Tanks (RP)	VOC (6) PM/PM <sub>10</sub>	0.27 0.03	0.51 0.13
PresVes	Pressure Vessels	VOC	0.37	0.01
S-640	Neutralization Sump	VOC	1.12	0.06
LoadLossa	Truck Loading Losses	VOC	1.33	0.81

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LoadLossb	Isocontainer Loading Losses	VOC	0.55	(5)
RoofVent1	Partitioning Agent Storage	PM	0.05	0.22
RoofVent2	Powder Preparation	PM	0.05	0.22
RoofVent3	Powder Preparation	PM	0.05	0.22
FT-650	Dust Collector Baghouse	PM	0.15	0.64
ProcFug	Processing Fugitives	VOC	1.52	4.55
EquipFug	Equipment Fugitives (4)	VOC	0.50	2.19
F-504, F-524, F-1504, and F-1524	Polymer Conveyance System	PM/PM <sub>10</sub>	0.07	0.32

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) 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 Title 30 Texas Administrative Code ' 101.1  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Total emissions for EPNs LoadLossa and LoadLossb are listed under EPN LoadLossa as 0.81 ton per year.
- (6) Only one tank may be filled at a 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.

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Dated: June 8, 2010