

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5873

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**
ST-303	Tank F-132	VOC	10.52	1.11
ST-304	Tank F-133	VOC	10.52	1.11
ST-305	Tank F-134	VOC	5.83	0.26
ST-306	Tank F-135	VOC	5.83	0.26
ST-307	Tank F-136	VOC	10.52	1.11
ST-308	Tank F-137	VOC	10.52	1.11
ST-309	Tank F-138	VOC	4.43	0.46
ST-310	Tank F-139	VOC	8.09	0.12
ST-313	Tank F-142	VOC	1.01	0.11
ST-314	Tank F-143	VOC	1.13	0.08
ST-316	Tank F-145	VOC	1.13	0.84
ST-329	Tank F-156	VOC	9.88	0.38
ST-330	Tank F-157	VOC	9.88	0.53
HF-301	Heater H-101	VOC	0.07	0.32
		NO <sub>x</sub>	1.32	5.76
		SO <sub>2</sub>	0.04	0.15
		CO	1.11	4.84
		PM <sub>10</sub>	0.10	0.44

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FS-301	API Separator	VOC	3.12	13.66
LPV-302	Catalyst Hopper Vent Filter	AlCl <sub>3</sub>	0.14	0.01
ST-323	Tank F-107	NaOH	0.01	0.01
FU-301	Process Fugitives (4)	VOC	8.72	38.18

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - NaOH - sodium hydroxide
  - AlCl<sub>3</sub> - aluminum chloride, anhydrous
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

\_\_ Hrs/day \_\_ Days/week \_\_ Weeks/year or \_\_ Hrs/year

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

Dated March 19,

2008