

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 32835

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
FV87820115	Central Thermal Oxidizer (CTO)	VOC	0.57	2.49
		Acetone	0.013	0.06
		CO	3.28	14.36
		NO _x	4.02	17.61
		HCl	1.06	4.64
		NH ₃	7.00	22.00
		SO ₂	0.02	0.02
FV87826152	Non-Selective Catalytic Reduction Unit (4)	UPSET/MAINTENANCE USE ONLY		
FF87826211	Enclosed CTO Backup Flare (5)	UPSET/MAINTENANCE USE ONLY		
FF87826303	CTO Backup Flare No. 2 (6)	UPSET/MAINTENANCE USE ONLY		

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 HCl - hydrogen chloride
 NH₃ - ammonia
- (4) Dedicated backup control device for the SAC Process Off-Gas and the DNT Process Off-Gas streams when the CTO is off-line or otherwise unable to accept waste gas.
- (5) Dedicated backup control device for the MNB Process Off-Gas, Aniline Process Off-Gas, Aniline Purge Gas, MR-III Process Vent Gas, TDI-II Process Vent Gas and CTO controlled storage tank vents (Permit Number 18033), and the TDZ Off-Gas/Hot Oil System Off-Gas streams when the CTO is off-line or otherwise unable to accept waste gas.
- (6) Dedicated backup control device for the TDA-I Reaction Off-Gas, TDA-II Reaction Off-Gas, and Aniline Purge Gas streams when the CTO is off-line or otherwise unable to accept waste gas.

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

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schedule:

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

Dated November 13, 2002