

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80812

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.

See Attachment D for the list of Emission Point Numbers and Source Descriptions associated with each Source Category.

PLANNED MAINTENANCE, START-UP, AND SHUTDOWN EMISSION LIMITATIONS			
Source Categories	Air Contaminant Name (3)	Emission Rates *	
		lb/hr	TPY**
Process Units, Flares, Wastewater Treatment Unit, and Storage Tanks	INTERIM RATES		
	VOC (5) (6)	4887.37	158.59
	NO <sub>x</sub> (5) (6)	167.23	1.76
	CO (5) (6)	699.57	7.64
	SO <sub>2</sub> (5) (6)	641.19	8.99
	PM (6)	19.22	3.33
	PM <sub>10</sub> (5) (6)	12.14	1.12
	H <sub>2</sub> S (5) (6)	91.06	2.28
	Benzene (4) (5) (6)	9.47	0.52
	Exempt solvent	0.36	0.4
	NH <sub>3</sub> (5) (6)	6.99	0.14
	HCl	1.2	2.64
	FINAL RATES		
	VOC (5) (7)	4186.14	265.82
	NO <sub>x</sub> (5) (7)	167.23	3.51
	CO (5) (7)	699.57	15.27
	SO <sub>2</sub> (5) (7)	641.19	17.98
	PM (7)	19.22	6.66
	PM <sub>10</sub> (5) (7)	12.14	2.23
	H <sub>2</sub> S (7)	89.82	4.53
	Benzene (4) (5) (7)	8.77	1.03
	Exempt solvent	0.36	0.8
	NH <sub>3</sub> (5) (6)	6.99	0.27
	HCl	1.2	5.27

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- (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
CO	-	carbon monoxide
SO <sub>2</sub>	-	sulfur dioxide
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
H <sub>2</sub> S	-	hydrogen sulfide
HCl	-	hydrogen chloride
NH <sub>3</sub>	-	ammonia
- (4) Benzene emissions are included in VOC allowables.
- (5) Planned maintenance, startup, and shutdown (MSS) VOC, NO<sub>x</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, H<sub>2</sub>S, NH<sub>3</sub>, and benzene emissions are included in the Flexible Permit Number 6825A, PSDTX49, and N65 Emission Caps for these pollutants. Consequently, the routine emissions at the site plus the planned MSS emissions included in this table shall not exceed the annual emission caps shown on the Emission Caps and Individual Emission Limitations Table attached to Flexible Permit Number 6825A, PSDTX49, and N65.
- (6) Interim MSS emission rates are effective from the date of issuance of this permit until the Final MSS emission rates become effective [see Footnote (7)].
- (7) Final MSS emission rates become effective 180-days after this permit has been issued.

\* 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.

Dated February 2, 2010