

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 32274, PSD-TX-995, and N-042

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1	Steam Methane Reformer (SMR) Stack	NO _x	8.58	37.58
		PM	3.30	14.46
		CO	6.93	30.35
		NH ₃	1.65	7.23
		VOC	1.81	7.93
		SO ₂	0.02	0.07
2	Auxiliary Boiler Stack	NO _x	8.00	35.04
		PM	8.00	35.04
		CO	20.02	87.68
		NH ₃	2.50	10.95
		VOC	2.53	11.08
		SO ₂	0.02	0.09
3	Flare Stack	NO _x	38.73	18.73
		CO	305.86	795.46
		VOC	30.21	9.04
4a	C-109 Compressor Area Fugitives (4)	VOC	0.02	0.10
		CO	0.03	0.11
4b	Coldbox Area Fugitives (4)	CO	1.78	7.80
4c	Amine System Area Fugitives (4) 2.05	VOC		0.47
4d	Boiler Area Fugitives (4)	VOC	0.08	0.34
		CO	0.03	0.11
4e	SMR Area Fugitives (4)	VOC	0.08	0.34

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		CO	0.43	1.90
4f	PSA Area Fugitives (4)	VOC	0.15	0.64
		CO	0.15	0.68
(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)	NO _x -	total oxides of nitrogen		
	PM -particulate matter			
	CO -carbon monoxide			
	NH ₃ -ammonia			
	VOC -volatile organic compounds as defined in 30 TAC Section 101.1			
	SO ₂ -sulfur dioxide			
(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:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated June 22, 2001