

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80799

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**
66FL1	Controlled Vessel Degassing	CO	34.94	4.18
66FL2		H ₂ S	2.32	0.22
66FL3		NO _x	17.5	2.09
66FL4		SO ₂	214.4	38.32
66FL12		VOC	84.42	9.77
MSS-VAC	Atmospheric MSS	CO	0.15	0.03
MSS-AIRMOVERS		H ₂ S	0.43	0.02
MSS-CHEM		NO _x	0.15	0.03
MSS-BLAST		SO ₂	0.15	0.03
MSS-FRAC		VOC	280.37	16.70
MSS-VES		PM	0.23	0.43
MSS-MAINTACT				
MSS-EQP				
MISC-MSS				
MSS-DRAING				
MSS-TANKS	Tank MSS (4)	VOC	854.0	7.43
Heaters/Furnaces	Decoking (4)	CO	3.89	6.02
		PM	1.67	2.58
		SO ₂	5.56	8.60
34I1	SRU Startup and Meltout	H ₂ S	0.05	0.01
43I1		SO ₂	94	6.77
66FL12	GOHDS Units Startup and Shutdown	CO	2,603	62.46
66FL13		H ₂ S	60.00	1.44
43I1		NO _x	1,700	40.80
		SO ₂	5,534	132.8
		VOC	0.96	0.01
		PM	0.01	0.01

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66FL1	Hydrogen, Off Gas, and Flare Gas Recovery Flaring	CO	105.0	2.24
66FL2		H ₂ S	69.54	0.11
66FL3		NO _x	57.45	1.20
66FL4		SO ₂	6,414	9.68
66FL12		VOC	1,675	3.39
F-68-4A	Brine Flare MSS	CO	0.02	0.01
F-68-4B		NO _x	0.01	0.01
F-68-4C		VOC	2.04	3.44
F-68-4D				
F-68-4E				
F-68-4F				
F-68-4G				
F-68-4H				

- (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) 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
 - H₂S - hydrogen sulfide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - (4) Emissions may occur at any tank or heater/furnace.
- * 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.

Date May 24, 2010