

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4056

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
**				
51MH5AST	Heater MH-5A	PM	0.56	2.20
		VOC	0.55	1.97
		NO _x	13.72	53.95
		SO ₂	1.92	7.23
		CO	6.18	24.28
51MJ151	Start-up Eductor MJ-151	PM	0.05	<0.01
		VOC	0.03	<0.01
		NO _x	0.60	0.03
		SO ₂	0.09	<0.01
		CO	0.50	0.03
51MJ152	Start-up Eductor MJ-152	PM	0.05	<0.01
		VOC	0.03	<0.01
		NO _x	0.60	0.03
		SO ₂	0.09	<0.01
		CO	0.50	0.03
51MJ153	Start-up Eductor MJ-153	PM	0.05	<0.01
		VOC	0.03	<0.01
		NO _x	0.60	0.03
		SO ₂	0.09	<0.01
		CO	0.50	0.03
51COFUG	Fugitives (4)	VOC	10.05	44.00
		SO ₂	2.78	12.19
		CO	21.90	95.91
		ammonia	<0.01	0.01
51ANAL	Analyzer Vents	VOC	<0.01	<0.01
		CO	0.51	2.25

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)lb/hr	Emission Rates *	
			TPY**	
51MN157ST	Flare MN-157	VOC	41.29	10.60
		NO _x	65.83	13.91
		SO ₂	14.29	2.59
		CO	1153.73	235.50
		H ₂ S	0.15	0.03
51COLDBOX	Cold Box	Helium	31.7	
		135.0		

- (1) Emission point identification - either equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on the following maximum operating schedule: 8,760 hours per year.

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

Dated January 28, 2005