

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8149

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	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY **</u>
FT-4	Hot Oil Furnace	CO	0.31	1.35
		NO _x	0.38	1.64
		PM ₁₀	0.03	0.12
		SO ₂	0.03	0.12
		VOC	0.02	0.09
MSS-001	Planned MSS (7)	VOC	15.26	0.24
N-1	Aluminum Loading (6)	PM ₁₀	0.03	0.02
SF-1	Smokeless Flare (5)	CO	11.88	38.94
		NO _x	1.38	4.55
		SO ₂	0.27	1.15
		VOC	1.43	3.28
	(7)	CO	16.30	0.04
		NO _x	1.90	0.01
		SO ₂	0.01	0.01
		VOC	20.78	0.07
F-U-B	Process Fugitives (4)	VOC	0.04	0.16
F-U-E	Process Fugitives (4)	VOC	0.02	0.06
F-U-G	Process Fugitives (4)	VOC	0.77	3.38
F-U-H	Flare Process Fugitives (4)			
	0.08		VOC	0.02

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- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter (PM) 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.
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions attributable to facilities under Permit Number 8149 only.
- (6) Operation is for 274 hours/year
- (7) Planned maintenance, start-up, and shutdown emissions.

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

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with the annual limits shall be on a 12-month rolling basis.

Dated November 12, 2008