

Emission Sources - Maximum Allowable Emission Rates

Permit Number 103951

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, sources, and related activities. 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/hour	TPY (4)
F-1013	Boiler F-1013	VOC	0.85	3.07
		NO _x	2.37	8.54
		CO	5.53	19.93
		SO ₂	5.39	7.19
		PM ₁₀	3.22	8.59
		PM _{2.5}	3.22	8.59
		H ₂ S	0.06	0.08
		H ₂ SO ₄	1.32	1.76
		TRS	0.49	0.65
		NH ₃	0.71	2.56
F-1013FUG	Boiler F-1013 Fugitives (5)	VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
		NH ₃ (6)	<0.01	0.02
MAINTENANCE, START-UP & SHUTDOWN EMISSION RATES (7)				
F-1013MSS	Boiler F-1013 Maintenance, Startup, and Shutdown (MSS)	NO _x	15.60	0.75
		CO	91.00	4.37

(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) VOC – volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.

NO_x – total oxides of nitrogen.

CO – carbon monoxide.

SO₂ – sulfur dioxide.

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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.

H₂S – hydrogen sulfide.

H₂SO₄ – sulfuric acid.

TRS – total reduced sulfur.

NH₃ – ammonia.

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emission rates indicated for NH₃ reflect a 97% control efficiency credit for use of an audio, visual, and olfactory (AVO) leak detection program as approved by the TCEQ.
- (7) From activities specified in Attachment D of this permit.

Date: May 15, 2013