

Emission Sources - Maximum Allowable Emission Rates

Permit Number 139407

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	
			lbs/hour	TPY (4)
OFR-FLARE	Plant 9 Flare, X-960 (6)	NO _x	0.36	0.06
		CO	3.10	0.55
		VOC	6.14	0.35
		SO ₂	0.03	0.11
		HAPS	3.69	0.08
OFR-RTO	Plant 9 Regenerative Thermal Oxidizer	NO _x	0.78	3.10
		CO	0.50	2.12
		VOC	0.85	3.24
		SO ₂	0.03	0.11
		HAPS	0.79	3.01
OFR-LOAD	Plant 9 Product Loading (6)	VOC	0.95	0.16
OFR-CT	Plant 9 Cooling Tower	VOC	0.08	0.37
		PM	0.04	0.17
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	<0.01
OFR-FUG	Plant 9 Fugitives (5)	VOC	0.11	0.49
		HAPS	0.02	0.10
F909A-B	Tank F-909A Blower (7)	VOC	1.28	<0.01
F909B-B	Tank F-909B Blower (7)	VOC	1.28	<0.01
F913-B	Tank F-913 Blower (7)	VOC	13.26	0.01
F914-B	Tank F-914 Blower (7)	VOC	42.58	0.02
DC929-B	Reactor DC929 Blower (7)	VOC	0.62	<0.01
DC928-B	Reactor DC928 Blower	VOC	0.62	<0.01

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	(7)			
F944-B	Tank F-944 Blower (7)	VOC	0.02	<0.01
F940-B	Tank F-940 Blower (7)	VOC	7.36	<0.01
F921-B	Tank F-921 Blower (7)	VOC	0.09	<0.01
F924-B	Tank F-924 Blower (7)	VOC	0.09	<0.01
F920-B	Tank F-920 Blower (7)	VOC	0.03	<0.01
F909A-V	Tank F-909A Vent (7)	VOC	0.69	<0.01
F909B-V	Tank F-909B Vent (7)	VOC	0.69	<0.01
F913-V	Tank F-913 Vent (7)	VOC	6.22	<0.01
F914-V	Tank F-914 Vent (7)	VOC	42.58	0.02
DC929-V	Reactor DC929 Vent (7)	VOC	0.62	<0.01
DC928-V	Reactor DC928 Vent (7)	VOC	0.62	<0.01
F944-V	Tank F-944 Vent (7)	VOC	0.02	<0.01
F940-V	Tank F-940 Vent (7)	VOC	7.36	<0.01
F921-V	Tank F-921 Vent (7)	VOC	0.09	<0.01
F924-V	Tank F-924 Vent (7)	VOC	0.09	<0.01
F920-V	Tank F-920 Vent (7)	VOC	0.05	<0.01
OFR-MSS	OFR MSS Activities (7)	VOC	1.02	0.01

- (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
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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) Includes normal and planned MSS emissions.
- (7) Planned MSS emissions only

Date: October 27, 2017

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