

Emission Sources - Maximum Allowable Emission Rates

Permit Number 116242

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)
88-36-001	C3 Regen Heater	VOC	0.19	0.49
		NO _x	1.22	2.75
		CO	1.54	4.03
		SO ₂	0.48	1.26
		PM	0.26	0.68
		PM ₁₀	0.26	0.68
		PM _{2.5}	0.26	0.68
88-36-002	C4 Regen Heater	VOC	0.19	0.39
		NO _x	1.25	2.18
		CO	1.57	3.20
		SO ₂	0.49	1.00
		PM	0.27	0.54
		PM ₁₀	0.27	0.54
		PM _{2.5}	0.27	0.54
88-97-102	Loading Thermal Oxidizer	VOC	2.98	0.41
		NO _x	4.20	1.91
		CO	5.76	2.62
		SO ₂	0.04	0.02
		PM	0.52	0.24
		PM ₁₀	0.52	0.24
		PM _{2.5}	0.52	0.24
88-11-3	C5+ Loading Losses	VOC	108.54	3.96

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88-95-202	Low Pressure Flare	VOC	0.01	0.03
		NO _x	0.07	0.29
		CO	0.13	0.58
		SO ₂	<0.01	0.02
88-95-201	High Pressure Flare Pilot Light Emissions	VOC	0.01	0.05
		NO _x	0.13	0.58
		CO	0.26	1.16
		SO ₂	0.01	0.01
88-0-0	Fugitives (5)	VOC	1.08	4.73
88-97-003	Tank Thermal Oxidizer	VOC	1.71	3.19
		NO _x	2.21	4.11
		CO	3.03	5.64
		SO ₂	0.02	0.04
		PM	0.27	0.51
		PM ₁₀	0.27	0.51
		PM _{2.5}	0.27	0.51
88-95-SSM	MSS Activities	VOC	1023.16	1.75
		NO _x	121.78	0.52
		CO	167.15	0.71
		SO ₂	0.58	<0.01
		PM	15.12	0.06
		PM ₁₀	15.12	0.06
		PM _{2.5}	15.12	0.06

- (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

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- 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

(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.

Date: October 30, 2014