

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
88-11-3	C5+ Loading Losses	VOC	121.37	19.72
88-97-102A	Dock 3 CEB A	VOC	1.81	
		NO _x	2.46	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-102B	Dock 3 CEB B	VOC	1.81	

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		NO _x	2.46	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-102C	Dock 3 CEB C	VOC	1.81	
		NO _x	2.46	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-102D	Dock 3 CEB D	VOC	1.81	
		NO _x	2.46	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-102A/B/C/D	Dock 3 CEB Caps (6)	VOC	5.42	1.43
		NO _x	7.38	5.16
		CO	10.13	7.08
		SO ₂	0.07	0.05
		PM	0.92	0.64
		PM ₁₀	0.92	0.64
		PM _{2.5}	0.92	0.64
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

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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	4.74
88-97-003A	Tank CEB A (7)	VOC	1.93	
		NO _x	0.98	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-003B	Tank CEB B (7)	VOC	1.93	
		NO _x	0.98	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-003C	Tank CEB C(7)	VOC	1.93	
		NO _x	0.98	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-003D	Tank CEB D (7)	VOC	1.93	
		NO _x	0.98	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	

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88-97-003E	Tank CEB E (7)	VOC	1.93	
		NO _x	0.98	
		CO	3.38	
		SO ₂	0.02	
		PM	0.31	
		PM ₁₀	0.31	
		PM _{2.5}	0.31	
88-97-003A/B/C/D/E	Tank CEB Caps (7)	VOC	6.01	11.25
		NO _x	3.94	17.24
		CO	13.51	59.16
		SO ₂	0.10	0.42
		PM	1.22	5.35
		PM ₁₀	1.22	5.35
		PM _{2.5}	1.22	5.35
88-95-MSS	C5+/LPG MSS	VOC	917.39	1.23

- (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
- (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) These emission rates represent the contribution of C5+ loading emissions to this EPN, which is also authorized in Permit 197874 for loading of other products.
- (7) Only a maximum of 4 CEBS will be operating at a time, but the total emissions will never exceed the Tank CEB Caps (EPN: 88-97-003A/B/C/D/E).

Date: January 25, 2019