

Emission Sources - Maximum Allowable Emission Rates

Permit Number 137563

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)
1A/B	N2 Vaporizer Stack 1A and 1B	NO _x	0.89	1.94
		CO	3.37	7.38
		SO ₂	0.04	0.10
		VOC	0.40	0.87
		PM	0.55	1.21
		PM ₁₀	0.55	1.21
		PM _{2.5}	0.55	1.21
2A/B	N2 Vaporizer Stack 2A and 2B	NO _x	0.89	1.94
		CO	3.37	7.38
		SO ₂	0.04	0.10
		VOC	0.40	0.87
		PM	0.55	1.21
		PM ₁₀	0.55	1.21
		PM _{2.5}	0.55	1.21
3A	O2 Vaporizer Stack 3A	NO _x	0.50	(5)
		CO	1.55	(5)
		SO ₂	0.02	(5)
		VOC	0.23	(5)
		PM	0.31	(5)
		PM ₁₀	0.31	(5)
		PM _{2.5}	0.31	(5)
		Total HAPs	0.08	(5)
3B	O2 Vaporizer Stack 3B	NO _x	0.50	(5)
		CO	1.55	(5)

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		SO ₂	0.02	(5)
		VOC	0.23	(5)
		PM	0.31	(5)
		PM ₁₀	0.31	(5)
		PM _{2.5}	0.31	(5)
		Total HAPs	0.08	(5)
3A/B	O2 Vaporizer Stack 3A and 3B Annual Cap (5)	NO _x	-	2.21
		CO	-	6.78
		SO ₂	-	0.11
		VOC	-	0.99
		PM	-	1.37
		PM ₁₀	-	1.37
		PM _{2.5}	-	1.37
		Total HAPs	-	0.34

- (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) Combined annual emission rate for EPN 3A and 3B.

Date: September 25, 2018