

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1387

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)
11 BLR-003	Stack No. 3 (5) Boiler No. 5	CO	21.00	-
		NO _x	134.49	-
		SO ₂	0.73	-
		VOC	0.21	-
		NH ₃	0.13	-
		HCl	10.75	-
		PM	4.57	-
		PM ₁₀	4.57	-
		PM _{2.5}	4.57	-
11 BLR-004	Stack No. 4 (5) Boiler Nos. 7 and 8	CO	48.00	-
		NO _x	363.42	-
		SO ₂	1.62	-
		VOC	0.50	-
		NH ₃	0.69	-
		HCl	26.12	-
		PM	19.05	-
		PM ₁₀	19.05	-
		PM _{2.5}	19.05	-
11 BLR-003 and 11 BLR-004	All Stacks Combined (5)	CO	-	71.00
		NO _x	-	842.00
		SO ₂	-	1.00

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		VOC	-	2.18
		NH ₃	-	3.02
		HCl	-	22.23
		PM	-	26.03
		PM ₁₀	-	26.03
		PM _{2.5}	-	26.03
11FUG-015	Fugitives (6)	NH ₃	0.07	0.32
		VOC	0.06	0.27
CEMS-AN-STK3	CEMS Analyzer-Stack 3	NO _x	0.06	0.27
		CO	0.01	0.04
		VOC	0.01	0.01
		SO ₂	0.01	0.01
		PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
		HCl	0.01	0.02
		NH ₃	0.01	0.01
CEMS-AN-STK4	CEMS Analyzer-Stack 4	NO _x	0.10	0.45
		CO	0.01	0.04
		VOC	0.01	0.01
		SO ₂	0.01	0.01
		PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
		HCl	0.01	0.02

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		NH ₃	0.01	0.01
PH-MSS/Welding	Welding	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
PH-MSS/Equip Cleaning/Frac	Equipment Cleaning/ Frac Tank	VOC	0.41	0.01
		NH ₃	0.05	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
 NH₃ - ammonia
 HCl - hydrogen chloride
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Annual emissions rate of the combined stacks - The annual allowable emissions for each of the stacks have been combined into one total annual emission rate. Each boiler (stack) may be operated at the maximum short-term limit listed in the table as long as the total annual emission rate for both stacks is not exceeded.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: August 28, 2015