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	22.57	-
		NO_x	141.90	-
		SO_2	0.73	-
		VOC	0.05	-
		NH_3	0.13	-
		HCl	2.95	-
		PM	6.49	-
		PM_{10}	6.49	-
		$PM_{2.5}$	6.49	-
11 BLR-004	Stack No. 4 (5) Boiler Nos. 7 and 8	CO	53.82	-
		NO_x	363.42	-
		SO_2	1.63	-
		VOC	0.14	-
		NH_3	0.25	-
		HCl	5.9	-
		PM	10.52	-
		PM_{10}	10.52	-
		$PM_{2.5}$	10.52	-

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11 BLR-003 and 11 BLR-004	All Stacks Combined (5)	CO	-	100.38
		NO_x	-	805.24
		SO_2	-	0.99
		VOC	-	0.69
		NH_3	-	1.23
		HCl	-	17.02
		PM	-	25.62
		PM_{10}	-	25.62
		$PM_{2.5}$	-	25.62
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

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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
		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
TEMPTO	Temporary Thermal Oxidizer for Tank PE-D1 or PE-D2 (7)	NO_x	0.56	0.30
		CO	4.24	2.29
		VOC	0.03	0.01
		PM	0.05	0.03
		PM_{10}	0.05	0.03
		$PM_{2.5}$	0.05	0.03
		NH_3	0.67	0.36
TEMPTOENG	Temporary Thermal Oxidizer Engine (7)	NO_x	0.06	0.03
		CO	0.72	0.39
		VOC	0.03	0.01
		SO_2	< 0.01	< 0.01

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		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
TEMPDSLTK	Temporary Engine Diesel Fuel Tank	VOC	0.08	< 0.01
TEMPFUG	Temporary Fugitives for TO and Engine (7)	VOC	0.14	0.08
		NH_3	< 0.01	< 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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
NH_3 - 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.
(7) Annual emissions are based on a limited operating schedule of 1,080 hours of operation per 12-month rolling period.

Date: February 22, 2022