

Emission Sources - Maximum Allowable Emission Rates

Permit Number 102982

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)
BOPXXFURNACE	BOP-XX Furnace Vent Cap (6)	NO _x	44.56	155.58
		SO ₂	2.47	5.16
		CO	2609.78	609.49
		PM	16.53	65.31
		PM ₁₀	16.53	65.31
		PM _{2.5}	16.53	65.31
		NH ₃	47.54	74.01
		H ₂ SO ₄	0.19	0.39
		VOC	22.66	47.26
BOPXXDECOKE	BOP-XX Furnace Decoke Cap (7)	CO	630.76	126.15
		PM	53.12	10.62
		PM ₁₀	45.84	9.17
		PM _{2.5}	39.68	7.94
BOPXXFLARE	BOP-XX Flare System Cap (8)	NO _x	2309.32	75.54
		SO ₂	233.32	17.27
		CO	3742.46	193.78
		VOC	3991.46	104.59

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			lbs/hour	TPY (4)
BOPXXCT	BOP-XX Cooling Tower (5)	PM	3.29	14.43
		PM ₁₀	0.89	3.92
		PM _{2.5}	<0.01	0.02
		VOC	78.06	34.19
BOPXXFUG	BOP-XX Fugitives (5)	VOC	7.56	33.10
		NH ₃	2.00	8.76
ACETCONVXX	Acetylene Converter Regeneration Vent	CO	3.80	0.23
		VOC	19.00	1.69
XXZTK05	Equalization Tank	VOC	0.11	0.44
XXZTK11	Compressor Wash Oil Tank	VOC	0.50	1.13
XXZLTK16	Emergency Generator Diesel Storage Tank 1	VOC	0.03	0.06
XXZLTK17	Emergency Generator Diesel Storage Tank 2	VOC	0.03	0.06
XXZLTK18	Emergency Generator Diesel Storage Tank 3	VOC	0.03	0.06
XXZLTK19	Firewater Pump Diesel Storage Tank 1	VOC	0.03	0.06
XXZLTK20	Firewater Pump Diesel Storage Tank 2	VOC	0.03	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
DIESELXX	Backup Generator Engines (9)	NO _x	52.30	2.61
		SO ₂	0.03	<0.01
		CO	22.13	1.11
		PM	2.82	0.14
		PM ₁₀	2.82	0.14
		PM _{2.5}	2.82	0.14
		VOC	2.84	0.14
DIESELXXFW	Firewater Booster Pump Engines (10)	NO _x	37.20	1.86
		SO ₂	0.71	0.04
		CO	8.02	0.40
		PM	0.87	0.04
		PM ₁₀	0.87	0.04
		PM _{2.5}	0.87	0.04
		VOC	25.91	1.30

- (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
- (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) BOPXXFURNACE includes EPNs XXAF01-ST, XXBF01-ST, XXCF01-ST, XXDF01-ST, XXEF01-ST, XXFF01-ST, XXGF01-ST and XXHF01-ST.

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- (7) BOPXXDECOKE includes EPNs XXAB-DEC, XXCD-DEC, XXEF-DEC, XXGH-DEC.
- (8) BOPXXFLARE includes EPNs FLAREXX1 and FLAREXX2.
- (9) DIESELXX includes EPNs DIESELXX01, DIESELXX02, and DIESELXX03.
- (10) DIESELXXFW includes EPNs DIESELXXFW1 and DIESELXXFW2.

Date: _____ Draft