

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19225

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)
CP-AB1S	Auxiliary Boiler (5)	NO _x	14.73	1.11
		CO	14.73	1.11
		VOC	0.46	0.04
		PM	8.29	0.62
		PM ₁₀	8.29	0.62
		PM _{2.5}	8.29	0.62
		SO ₂	51.16	3.84
MSS-FUG	Planned Maintenance, Startup and Shutdown (7)	VOC	26.34	0.15
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
CP-EDG1S	Emergency Diesel-fired Engine No. 1 (5, 6)	NO _x	278.5	-
		CO	23.6	-
		VOC	1.3	-
		PM	4.3	-
		PM ₁₀	4.3	-
		PM _{2.5}	4.3	-
		SO ₂	36.2	-
CP-EDG2S	Emergency Diesel-fired Engine No. 2 (5, 6)	NO _x	278.5	-
		CO	23.6	-
		VOC	1.3	-

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		PM	4.3	-
		PM ₁₀	4.3	-
		PM _{2.5}	4.3	-
		SO ₂	36.2	-
CP-EDG3S	Emergency Diesel-fired Engine No. 3 (5, 6)	NO _x	278.5	-
		CO	23.6	-
		VOC	1.3	-
		PM	4.3	-
		PM ₁₀	4.3	-
		PM _{2.5}	4.3	-
		SO ₂	36.2	-
CP-EDG4S	Emergency Diesel-fired Engine No. 4(5, 6)	NO _x	278.5	-
		CO	23.6	-
		VOC	1.3	-
		PM	4.3	-
		PM ₁₀	4.3	-
		PM _{2.5}	4.3	-
		SO ₂	36.2	-
CP-EDG1S, CP-EDG2S, CP-EDG3S, & CPEDG4S	Emergency Diesel-fired Engines Nos. 1-4 (5,6) Annual Combined Emission Limits	NO _x	-	83.6
		CO	-	7.1
		VOC	-	0.39
		PM	-	1.3
		PM ₁₀	-	1.3
		PM _{2.5}	-	1.3
		SO ₂	-	10.9

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CP-EDG5S	Emergency Diesel-fired Engine No. 5 (5, 6)	NO _x	9.1	0.45
		CO	2.1	0.10
		VOC	0.1	<0.01
		PM	0.6	0.03
		PM ₁₀	0.6	0.03
		PM _{2.5}	0.6	0.03
		SO ₂	2.7	0.13
CP-EDG6S	Emergency Diesel-fired Engine No. 6 (5, 6)	NO _x	5.2	0.26
		CO	1.2	0.06
		VOC	0.4	0.02
		PM	0.4	0.02
		PM ₁₀	0.4	0.02
		PM _{2.5}	0.4	0.02
		SO ₂	0.8	0.04
CP-DFP1S	Diesel-fired Firewater Pump No. 1 (5,6)	NO _x	12.4	-
		CO	2.7	-
		VOC	1.0	-
		PM	0.9	-
		PM ₁₀	0.9	-
		PM _{2.5}	0.9	-
		SO ₂	2.9	-
CP-DFP2S	Diesel-fired Firewater Pump No. 2 (5,6)	NO _x	12.4	-
		CO	2.7	-
		VOC	1.0	-
		PM	0.9	-

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		PM ₁₀	0.9	-
		PM _{2.5}	0.9	-
		SO ₂	2.9	-
CP-DFP1S and CP-DFP2S	Diesel-fired Firewater Pump Nos. 1-2 (5,6)	NO _x	-	0.93
	Annual Emission Limits	CO	-	0.20
		VOC	-	0.08
		PM	-	0.07
		PM ₁₀	-	0.07
		PM _{2.5}	-	0.07
		SO ₂	-	0.22

- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The hourly and annual emission rates include emission from planned maintenance, startup, and shutdown.
- (6) Incorporation of these facilities is for the purpose of establishing federally enforceable limitations on the hours of operation and to document emission levels are below significance levels for prevention of significant deterioration. They remain authorized by PBR 30 TAC § 106.511.
- (7) Emission rates are an estimate and are enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 26, 2014