

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19199 and PSDTX1238

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)
EDCFUG	Process Fugitives (5)	Cl ₂	0.01	0.02
		HCl	0.01	0.01
		VOC	2.56	11.22
6002A/B/C	Three Incinerator/ Scrubbers (6)	Cl ₂	0.86	3.78
		CO	2.18	9.54
		CO (7)	9.00	-
		PM	0.35	1.55
		PM ₁₀	0.35	1.55
		PM _{2.5}	0.35	1.55
		HCl	0.44	1.92
		NO _x	5.69	24.91
		SO ₂	0.02	0.08
		VOC	1.30	5.69
EDC-CT	Cooling Tower T-001	VOC	0.88	3.86
		PM	3.17	9.61
		PM ₁₀	0.80	3.49
		PM _{2.5}	<0.01	0.02
		Chlorine compounds	<0.01	<0.01
2C-C1	Cooling Tower DT-013	VOC	0.88	3.86
		PM	1.06	3.20
		PM ₁₀	0.27	1.16
		PM _{2.5}	<0.01	<0.01
		Chlorine compounds	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
2C-C2	Cooling Tower DT-014	VOC	0.88	3.86
		PM	1.06	3.20
		PM ₁₀	0.27	1.16
		PM _{2.5}	<0.01	<0.01
		Chlorine compounds	<0.01	<0.01
Maintenance, Startup, and Shutdown (MSS)				
EDC-MAINT	Emissions to Atmosphere	VOC	647.96	12.60
		HCl	19.28	2.30
		Cl ₂	0.37	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
 Cl₂ - chlorine
 HCl - hydrogen chloride
 Chlorine Compounds- hypochlorous acid and hydrogen chloride
- (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) This entry represents three separate emissions points. Emissions shown are the maximum allowable rates for the three incinerator/scrubber trains combined.
- (7) Hourly CO emission rate during Startup.

Date: June 9, 2020