

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19198 and PSDTX1234

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. 0	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EG-CT	Cooling Tower (5)	VOC	1.98	8.69
		PM	1.65	7.21
		PM ₁₀	0.61	2.66
		PM _{2.5}	0.01	0.01
		Chlorine compounds	<0.01	<0.01
EP221	CO ₂ Regenerator Vent and Recovery System (6)	VOC	115.42	10.39
RTO221	RTO Vent (Normal Operation)	NO _x	0.51	2.25
		CO	0.43	1.89
		VOC	1.50	6.65
		PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
		SO ₂	0.01	0.01
EP552	Caustic Tank GT552	NaOH	0.01	0.01
EP615	GT615 Tank	VOC	2.42	0.24
EP630A	GT630A Tank	VOC	0.24	0.31
EP630B	GT630B Tank	VOC	0.24	
EP630C	GT630C Tank	VOC	0.24	
EP725A	GT725A Tank	VOC	0.01	0.01
EP725B	GT725B Tank	VOC	0.01	0.01
EP730A	GT730A Tank	VOC	0.01	0.01
EP730B	GT730B Tank	VOC	0.01	
EP740	GT740 Tank	VOC	0.01	0.01
EP750	GT750 Tank	VOC	0.01	0.01
EP806	GT806 Tank	VOC	0.56	0.35
EP807	GT807 Tank	VOC	0.56	0.35
EP808	GT808 Tank	VOC	0.01	0.01
EP809	GT809 Tank	VOC	0.01	0.01

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Emission Point No. 0	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EP910	Common Incinerator Stack	CO	2.55	11.16
		CO MSS	4.00	-
		NO _x	2.88	12.61
		PM	0.33	1.47
		PM ₁₀	0.33	1.47
		PM _{2.5}	0.33	1.47
		SO ₂	0.03	0.15
		VOC	0.09	0.40
PF-L01	Crude Glycol and PEG Loading Losses	VOC	1.25	0.02
EG-FUG1	Process Piping Fugitives (5)	VOC Error! Reference source not found.	3.82	16.74
		Chlorine	<0.01	0.02
		EDC	0.03	0.15
EGMAINTAB	Equipment MSS Emissions (7)	VOC	223.00	1.00
		EDC	6.39	0.01
		PM	0.29	0.30
		PM ₁₀	0.12	0.30
		PM _{2.5}	0.09	0.20
EGMAINTC	Equipment MSS Emissions (8)	VOC	2430.00	21.10

- (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
 NaOH - sodium hydroxide
 EDC - Ethylene dichloride
 Chlorine compounds – include HOCl (hypochlorous acid) and HCl (hydrochloric acid)
- (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) Emission rates are associated with periods of alternate operating scenario during RTO downtime.
- (7) Emission rates are associated with activities listed in Attachments A and B.
- (8) Emission rates are associated with activities listed in Attachment C.

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Date: March 10, 2020