

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. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EG-CT	Cooling Tower	VOC	1.99	8.69
EP221	CO ₂ Regenerator Vent	VOC	4.73	20.71
	CO ₂ Recovery System (6)	VOC	223.00	0.70
EP552	Caustic Tank GT552	NaOH	0.01	0.01
EP615	GT615 Tank	VOC	2.55	0.34
EP630A	GT630A Tank	VOC	0.22	0.11
EP630B	GT630B Tank	VOC	0.22	0.11
EP630C	GT630C Tank	VOC	0.22	0.11
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	0.01
EP740	GT740 Tank	VOC	0.01	0.01
EP750	GT750 Tank	VOC	0.01	0.01
EP806	GT806 Tank	VOC	0.41	0.38
EP807	GT807 Tank	VOC	0.41	0.38
EP808	GT808 Tank	VOC	0.02	0.02
EP809	GT809 Tank	VOC	0.01	0.01

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EP910	Common Incinerator Stack	CO	1.56	6.83
		CO MSS	4.00	-
		NO _x	1.44	6.31
		PM ₁₀	0.25	1.08
		SO ₂	0.03	0.11
		VOC	0.06	0.25
PF-LO1	Crude Glycol and PEG Loading Losses	VOC	1.25	0.02
EGFUG1	Process Piping Fugitives (5)	EtO	0.07	0.32
		VOC (7)	1.86	8.11
EGMAINTAB	Equipment MSS Emissions (8)	VOC	223.00	1.00
		PM	0.29	0.30
		PM ₁₀	0.12	0.30
		PM _{2.5}	0.09	0.20
EGMAINTC	Equipment MSS Emissions (9)	VOC	2430.00	21.10

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- (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
EtO - ethylene oxide
NaOH - sodium hydroxide
- (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 MSS activities.
- (7) Ethylene oxide emissions are not included in the VOC emissions total.
- (8) Emission rates are associated with activities listed in Attachments A and B.
- (9) Emission rates are associated with activities listed in Attachment C.

Date: November 30, 2012