

Emission Sources - Maximum Allowable Emission Rates
Permit Number 20698 & PSDTX797M1

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)
42	Solar T-16000 Turbine (119.60 MMBtu/hour maximum heat input) (111.52 MMBtu/hour average heat input) (55 MMBtu/hour duct burner heat input)	CO	4.60	19.21
		NH ₃	1.99	8.33
		NO _x	4.86	20.28
		PM/PM ₁₀ /PM _{2.5}	1.21	5.12
		SO ₂	0.39	1.66
		VOC	0.47	1.96
43	Continuous Catalyst Regeneration	CO	0.09	0.40
		NO _x	0.04	0.19
		PM/PM ₁₀ /PM _{2.5}	0.03	0.13
		SO ₂	0.12	0.52
		VOC	0.03	0.15
		Cl ₂	0.01	0.02
		HCl	0.17	0.75
44	Reactor Heater (254.8 MMBtu/hour heat input)	CO	11.31	43.52
		NO _x	20.59	79.24
		PM/PM ₁₀ /PM _{2.5}	1.45	5.58
		SO ₂	119.74	16.54
		VOC	0.15	0.56
46	Cooling Tower (5)	VOC	10.81	4.73
		PM/PM ₁₀ /PM _{2.5}	0.47	2.07
47	Lube Oil Storage	VOC	0.02	0.01

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	Tank			
48	CPI Separator	VOC	0.35	0.02
49	Slop Oil Storage Tank	VOC	0.02	0.01
50	Wastewater Bio Unit	VOC	0.01	0.04
51	Lube Oil Storage Tank	VOC	0.02	0.01
BEFFUG	Process Fugitives (5)	VOC	2.52	11.03
F2	Process Fugitives (5)	Cl ₂	0.03	0.15

- (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
- NH₃ - ammonia
- Cl₂ - chlorine
- CO - carbon monoxide
- HCl - hydrogen chloride
- NO_x - total oxides of nitrogen
- 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
- SO₂ - sulfur dioxide
- (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.

Date: June 11, 2012