

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20698 and PSD-TX-797M1

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. 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 *	
			lb/hr(4)	TPY**
42	Solar T-15000 Turbine (119.60 MMBtu/hour	CO	4.54	18.64
		NH ₃	1.97	8.08
		maximum heat input)	NO _x	4.79
	(111.52 MMBtu/hour		19.68	
		PM ₁₀	1.18	4.93
		average heat input)	SO ₂	0.38
	(55 MMBtu/hour duct	VOC	1.60	
		burner heat input)	0.46	1.91
43	Continuous Catalyst Regeneration	CO	0.09	0.40
		NO _x	0.04	0.19
		PM ₁₀	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	9.94	43.52
		NO _x	18.09	79.24
		PM ₁₀	1.27	5.58
		SO ₂	119.74	16.54
		VOC	0.13	0.56
45	Flare	CO	11.43	3.26
		NO _x	5.72	0.53
		VOC	32.08	1.71
		SO ₂	<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr(4)	TPY**
46	Cooling Tower (4)	VOC	0.29	1.29
47	Lube Oil Storage Tank	VOC	0.01	<0.01
48	CPI Separator	VOC	0.35	0.02
49	Slop Oil Storage Tank	VOC	0.01	<0.01
50	Wastewater Bio Unit	VOC	0.01	0.04
51	Lube Oil Storage Tank	VOC	0.01	<0.01
F1	Process Fugitives (4)	VOC	1.56	6.82
F2	Process Fugitives (4)	Cl ₂	0.01	0.06
F3	Process Fugitives (4)	MTBE	0.07	0.31
F4	Process Fugitives (4)	MEOH	0.06	0.28

(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) NH₃ - ammonia
 Cl₂ - chlorine
 CO - carbon monoxide
 HCl - hydrogen chloride
 MEOH - methanol
 MTBE - methyl tert-butyl ether
 NO_x - total oxides of nitrogen
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 15, 2002