

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5581

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
1	Solar Centaur Turbines (two with common stack)	CO	23.00	33.48
		NO _x	46.40	187.00
		PM ₁₀	0.45	1.97
		SO ₂	1.22	5.34
		VOC	0.06	0.32
17	Solar Saturn TRBN 003	CO	2.03	8.88
		NO _x	4.46	19.55
		PM ₁₀	0.09	0.39
		SO ₂	0.03	0.11
		VOC	0.55	2.41
18	Solar Saturn TRBN 004	CO	2.03	8.88
		NO _x	4.46	19.55
		PM ₁₀	0.09	0.39
		SO ₂	0.03	0.11
		VOC	0.55	2.41
19	Solar Saturn TRBN 005	CO	2.03	8.88
		NO _x	4.46	19.55
		PM ₁₀	0.09	0.39
		SO ₂	0.03	0.11
		VOC	0.55	2.41
C01	Cooling Tower (6)	PM ₁₀	0.05	0.23
		VOC	1.20	5.26
DTK1	Diesel Fixed-Roof Storage Tank	VOC	0.02	0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY**
FL1 and FL3	Flare (5) Planned Start-up, Shutdown, and Maintenance Emissions Only	CO	2.33	0.02
		NO _x	0.58	0.58
		SO ₂	0.01	0.01
		VOC	0.01	0.01
		VOC	2.05	0.02
FL1 and FL3	Flare (5) Pilot Fuel and Operations Only	CO	7.54	0.78
		NO _x	3.78	0.39
		SO ₂	0.01	0.01
		VOC	25.81	2.86
FWP1	Fire Water Pump Engine (100 hours per calendar year)	CO	2.87	0.14
		NO _x	13.33	0.66
		PM ₁₀	0.95	0.05
		SO ₂	0.88	0.04
		VOC	1.06	0.05
078FUG	Process Fugitives (4)	VOC	1.66	7.26

- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
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.
- (5) The emissions are from facilities authorized in this permit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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

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