

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, 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)
17	Solar Saturn TRBN 003	CO	2.03	8.88
		NOx	4.46	19.55
		PM10	0.09	0.39
		SO2	0.03	0.11
		VOC	0.55	2.41
18	Solar Saturn TRBN 004	CO	2.03	8.88
		NOx	4.46	19.55
		PM10	0.09	0.39
		SO2	0.03	0.11
		VOC	0.55	2.41
19	Solar Saturn TRBN 005	CO	2.03	8.88
		NOx	4.46	19.55
		PM10	0.09	0.39
		SO2	0.03	0.11
		VOC	0.55	2.41
C01	Cooling Tower (5)	PM10	0.09	0.39
		VOC	2.0	0.88
DTK1	Diesel Fixed-Roof Storage Tank	VOC	0.02	0.01
FWP1	Fire Water Pump Engine (100 hours per calendar year for maintenance and testing operation)	CO	2.87	0.14
		NOx	13.33	0.66
		PM10	0.95	0.05
		SO2	0.88	0.04
		VOC	1.06	0.05
078FUG	Process Fugitives (5)	VOC	2.15	9.40

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Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:

PBR 85477

1A	Solar Centaur T4700S (Maintenance, Start-Up, and Shut-Down)	CO	2.20	0.40
17	Solar Saturn TRBN 003 (Maintenance, Start-Up, and Shut-Down)	CO	2.20	0.40
18	Solar Saturn TRBN 004 (Maintenance, Start-Up, and Shut-Down)	CO	2.20	0.40
19	Solar Saturn TRBN 005 (Maintenance, Start-Up, and Shut-Down)	CO	2.20	0.40
1B	Solar Centaur T4700S (Maintenance, Start-Up, and Shut-Down)	CO	2.20	0.40

PBR 71200

1	Solar Centaur T4700S Turbine (6)	NOx	7.61	31.01
		CO	5.52	22.47
		VOC	0.30	1.23
		SO ₂	0.62	2.52
		PM ₁₀	0.30	1.23

PBR 94133

1	Solar Centaur T4700S Turbine (6)	NOx	7.61	31.01
		CO	5.52	22.47
		VOC	0.30	1.23
		SO ₂	0.62	2.52
		PM ₁₀	0.30	1.23

PBR 101478

1B	Solar Centaur T4700S Turbine (7)	NOx	7.61	31.01
		CO	5.52	22.47
		VOC	0.30	1.23
		SO ₂	0.62	2.52
		PM ₁₀	0.30	1.23

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PBR 101481				
1A	Solar Centaur T4700S Turbine (7)	NO _x	7.61	31.01
		CO	5.52	22.47
		VOC	0.30	1.23
		SO ₂	0.62	2.52
		PM ₁₀	0.30	1.23

- (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
 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
 HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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) There are two identical turbines venting from EPN 1, a combined stack.
- (7) When the combined stack, EPN 1, is unavailable; each turbine will vent through its own alternate stack

Date: June 19, 2012