

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20869 and PSDTX800

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)
OC8 S81	85 MW GT GE PG7111(EA) with 590 MMBtu/hr DB FINs: OC8P8GT81, OC8P8DB81	NO _x – normal operation	134	521
		NO _x – MSS operation (5)	601	
		CO – normal operation	100	391
		CO - MSS operation (5)	410	
		SO ₂	3.2	12
		PM	11	45
		PM ₁₀	11	45
		PM _{2.5}	11	45
		VOC	3.3	13
OC8 S82	85 MW GT GE PG7111(EA) with 590 MMBtu/hr DB FINs: OC8P8GT82, OC8P8DB82	NO _x – normal operation	134	521
		NO _x – MSS operation (5)	601	
		CO – normal operation	100	391
		CO – MSS operation (5)	410	
		SO ₂	3.2	12
		PM	11	45
		PM ₁₀	11	45
		PM _{2.5}	11	45
		VOC	3.3	13
OC8 S83	85 MW GT GE PG7111(EA) with 590 MMBtu/hr DB FINs: OC8P8GT83, OC8P8DB83	NO _x – normal operation	134	521
		NO _x – MSS operation (5)	601	
		CO – normal operation	100	391
		CO – MSS operation (5)	410	
		SO ₂	3.2	12
		PM	11	45
		PM ₁₀	11	45
		PM _{2.5}	11	45
		VOC	3.3	13
OC8 SC801	Degreasing Station Solvent	VOC	0.08	0.33
OC8 ST8006	Distillate Tank V-8006 Vent	VOC	0.06	0.26
OC8 LR006	V-8006 Distillate Loading	VOC	7.68	0.02
OC8 FU1	Fugitives	VOC	0.84	3.5
		Hydrogen chloride (6)	0.01	0.04
OC2 ST100	Distillate Tank V-100 Vent	VOC	0.12	0.48

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OC2 LR100	V-100 Distillate Loading	VOC	13.15	0.02
OC2 FU 8	Distillate Tank VW-100 Fugitives	VOC	0.56	2.5
OC8 So1	Fuel Line Bleeds	VOC	0.95	0.01
OC8 So2	Fuel Line Bleeds	VOC	0.95	0.01
OC8 So3	Fuel Line Bleeds	VOC	0.95	0.01
OC8 So4	Fuel Line Bleeds	VOC	0.95	0.01
OC8 So5	Fuel Line Bleeds	VOC	0.95	0.01
OC8 So6	Fuel Line Bleeds	VOC	0.95	0.01

- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter emissions, as defined in Title 30 TAC § 101.1, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter emissions equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - direct particulate matter emissions equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (TAC) § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. Annual emission limits for GT/DB units include both normal and maintenance, startup, and shutdown (MSS) emissions.
- (5) MSS operation. Normal operation GT/DB emission limits apply to SO₂, PM/PM₁₀/PM_{2.5}, and VOC during MSS.
- (6) Water treatment units use aqueous hydrogen chloride to regenerate ion exchange resin.

Date: September 30, 2015