

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 38659

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	TPY**
CTG-1	Turbine No. 1 (GE 7241FA)	NO _x	63.0	--
		CO	51.7	--
		VOC	3.0	--
		PM ₁₀	18.0	--
		SO ₂	2.5	--
CTG-2	Turbine No. 2 (GE 7241FA)	NO _x	63.0	--
		CO	51.7	--
		VOC	3.0	--
		PM ₁₀	18.0	--
		SO ₂	2.5	--
CTG-3	Turbine No. 3 (GE 7241FA)	NO _x	63.0	--
		CO	51.7	--
		VOC	3.0	--
		PM ₁₀	18.0	--
		SO ₂	2.5	--
CTG-4	Turbine No. 4 (GE 7241FA)	NO _x	63.0	--
		CO	51.7	--
		VOC	3.0	--
		PM ₁₀	18.0	--
		SO ₂	2.5	--
CTG-1	Turbine/HRSG No. 1 (Ge 7241 FA + 200 MMBtu DB)	NO _x	79.0	284.3
		CO	67.7	236.5
		VOC	5.0	16.3
		PM ₁₀	20.0	82.9
		SO ₂	2.8	10.7

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

CTG-2	Turbine/HRSG No.2 (Ge 7241 FA + 200 MMBtu DB)	NO _x CO VOC PM ₁₀ SO ₂	79.0 67.7 5.0 20.0 2.8	284.3 236.5 16.3 82.9 10.7
CTG-3	Turbine/HRSG No.3 (Ge 7241 FA + 200 MMBtu DB)	NO _x CO VOC PM ₁₀ SO ₂	79.0 67.7 5.0 20.0 2.8	284.3 236.5 16.3 82.9 10.7
CTG-4	Turbine/HRSG No.4 (Ge 7241 FA + 200 MMBtu DB)	NO _x CO VOC PM ₁₀ SO ₂	79.0 67.7 5.0 20.0 2.8	284.3 236.5 16.3 82.9 10.7
CTG-1 CTG-2 CTG-3 CTG-4	Combined Annual Limits Turbines + DB	NO _x CO VOC PM ₁₀ SO ₂	-- -- -- -- --	1137.2 946.0 65.1 331.4 42.7
EG2 (5)	Emergency Generator Diesel Engine (Catepillar - 2937 hp)	NO _x CO VOC PM ₁₀ SO ₂ H ₂ SO ₄	41.87 4.05 1.26 0.70 1.10 0.17	18.34 1.77 1.06 0.36 0.48 0.07
EG2-DSLTK	Diesel Storage Tank (1200 gal)	VOC	0.51	0.012
EG2-DSLFUG	Diesel Piping Fugitives	VOC	0.002	0.007
F-1	Fugitives	VOC	0.1	0.6

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emergency Generator Diesel Engine limited to 876 hour of operation annually
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year
- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated January 26, 2009