

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 35335 and PSD-TX-880

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)	<u>lb/hr</u>	
	TPY**			
CG-1	GE - 7231FA Turbine and Duct Burner	NO _x	166.64	
		CO	76.12	
		SO ₂	1.60	
		VOC	7.17	
		PM ₁₀	16.96	
		H ₂ SO ₄	0.25	
		HCl	<0.01	
CG-2	GE - 7231FA Turbine and Duct Burner	NO _x	166.64	
		CO	76.12	
		SO ₂	1.60	
		VOC	7.17	
		PM ₁₀	16.96	
		H ₂ SO ₄	0.25	
		HCl	<0.01	
CG-1 and CG-2	Turbine and Duct Burner	NO _x		1273.53
		CO		666.81
		SO ₂		12.67
		VOC		62.81
		PM ₁₀		129.65
		H ₂ SO ₄		1.94
		HCl		<0.01
CU-1	Carbonation Unit	NO _x	1.13	4.97
		CO	0.59	2.60
		SO ₂	0.01	0.05
		VOC	0.06	0.24

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PM ₁₀	0.12	0.51
H ₂ SO ₄	<0.01	<0.01

- CG-FUG Fugitive Emissions (4) VOC 0.03 0.11
- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- H₂SO₄ - sulfuric acid
- HCl - hydrogen chloride or hydrochloric acid
- (4) Fugitive emissions are an estimate based on component count, factors, and applicable reduction credits for a leak detection and repair program.

* Emission rates are based on an operating schedule of 8,760 hours/year

** Compliance with the annual emission limits shall be based on a rolling 12-month year rather than the calendar year.

Dated April 23, 2008