

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 16909 and PSD-TX-780

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
CG1 (4)	37 Megawatt GE Frame 6 Gas Turbine and 212 MMBtu/hr Duct Burner	NO _x (5)	66.7	259.0
		CO (5)	31.5	122.7
		SO ₂ (5)	8.2	31.8
		PM (5)	4.0	16.6
		VOC	2.5	9.2
		SO ₃	0.3	1.2
CG2 (4)	37 Megawatt GE Frame 6 Gas Turbine and 212 MMBtu/hr Duct Burner	NO _x (5)	66.7	259.0
		CO (5)	31.5	122.7
		SO ₂ (5)	8.2	31.8
		PM (5)	4.0	16.6
		VOC	2.5	9.2
		SO ₃	0.3	1.2
UEHK5	Boiler No. 5 196 MMBtu/hr	NO _x	19.60	68.33
		CO	14.29	49.81
		VOC	1.06	3.68
		SO ₂	2.20	7.68
		PM ₁₀	1.46	5.09
UEHK6	Boiler No. 6 196 MMBtu/hr	NO _x	19.60	68.33
		CO	6.86	23.91
		VOC	1.06	3.68
		SO ₂	2.20	7.68
		PM ₁₀	1.46	5.09

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
UEHK7**	Boiler No. 7 340 MMBtu/hr	NO _x	51.0	10.34
		CO	96.4	9.16
		VOC	2.21	0.84
		SO ₂	4.60	1.75
		PM ₁₀	3.06	1.16
UEHK8**	Boiler No. 8 340 MMBtu/hr	NO _x	51.0	10.34
		CO	96.4	9.16
		VOC	2.21	0.84
		SO ₂	4.60	1.75
		PM ₁₀	3.06	1.16
UEHK11	Boiler No. 11 285.1 MMBtu/hr	NO _x	14.3	62.4
		CO	20.8	91.0
		VOC	0.9	3.8
		SO ₂	3.2	14.0
		PM ₁₀	2.9	12.5

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) 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
SO₃ - sulfur trioxide
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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Turbine (CG1 and CG2) hourly emissions are based on 20°F ambient temperature and annual emissions are based on 66.5°F ambient temperature.
- (5) These air contaminants are regulated under PSD-TX-780.

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- * Emission rates for EPNs CG1, CG2, UEHK5, UEHK6, and UEHK11 are based on and the facilities are limited by the following maximum operating schedule: 8,760 Hrs/yr
- ** Emission rates for EPNs UEHK7 and UEHK8 are based on and the facilities are limited by the following maximum operating schedule: 760 Hrs/yr

Dated April 26, 2004