

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 43965, PSD-TX-966, and N-026

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
HRSG-001	Heat Recovery Steam Generator GE Frame 7F Turbine	NO _x	32.4	104.6
		CO	92.4	215.6
		VOC	9.5	26.0
		SO ₂	7.2	6.2
		PM/PM ₁₀	38.6	104.4
		NH ₃	18.2	79.7
		H ₂ SO ₄	1.3	0.95
HRSG-002	Heat Recovery Steam Generator GE Frame 7F Turbine	NO _x	32.4	104.6
		CO	92.4	215.6
		VOC	9.5	26.0
		SO ₂	7.2	6.2
		PM/PM ₁₀	38.6	104.4
		NH ₃	18.2	79.7
		H ₂ SO ₄	1.3	0.95
FW PUMP-1	300-hp Fire Water Pump	NO _x	9.3	0.47
		CO	2.0	0.10
		VOC	0.75	0.38

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY
		SO ₂	0.62	0.03
		PM/PM ₁₀	0.66	0.03
LVCGT-001	Gas Turbine 1 Lube Oil Vent	VOC	0.04	0.19
LVCGT-002	Gas Turbine 2 Lube Oil Vent	VOC	0.04	0.19
LVSTG-001	Steam Turbine 1 Lube Oil Vent	VOC	0.03	0.11
CT-001	Cooling Tower	PM/PM ₁₀	1.58	3.5
TK-DSL1	Diesel Tank 1	VOC	0.003	0.01
TK-001	Caustic Tank 1	Caustic	<0.01	<0.01
TK-003	H ₂ SO ₄ Tank	H ₂ SO ₄	<0.01	<0.01
FUG-P	Natural Gas Piping Fugitives (4)	VOC	0.346	1.52
FUG-NH3A	Ammonia Fugitives (4)	NH ₃	0.0002	0.001
FUG-NH3B	Ammonia Fugitives (4)	NH ₃	0.0002	0.001

- (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 area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
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 particulate matter greater than 10 microns is emitted.
NH₃ - ammonia
H₂SO₄ - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* <u>lb/hr</u> <u>TPY</u>	
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* Gas turbine emission rates are based on and the gas turbine is limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Hours/year 8,760

Dated April 20, 2006