

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 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	117.4
		CO	92.4	252.5
		VOC	12.1	30.8
		SO ₂	7.2	6.7
		PM/PM ₁₀	38.6	104.4
		NH ₃	34.3	100.4
		H ₂ SO ₄	1.3	1.2
HRSG-002	Heat Recovery Steam Generator GE Frame 7F Turbine	NO _x	32.4	117.4
		CO	92.4	252.5
		VOC	12.1	30.8
		SO ₂	7.2	6.7
		PM/PM ₁₀	38.6	104.4
		NH ₃	34.3	100.4
		H ₂ SO ₄	1.3	1.2
EMGEN-1	1,350-hp Emergency Generator	NO _x	41.9	2.10
		CO	9.02	0.45
		VOC	3.39	0.17

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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	2.77	0.14	
		PM/PM ₁₀	2.97	0.15	
FW PUMP-1	300-hp Fire Water Pump	NO _x		9.3	0.47
		CO	2.0	0.10	
		VOC	0.75	0.38	
		SO ₂	0.62	0.03	
		PM/PM ₁₀	0.66	0.03	
LVCGT-001	Gas Turbine 1 Lube Oil Vent	VOC		0.04	0.18
LVCGT-002	Gas Turbine 2 Lube Oil Vent	VOC		0.04	0.18
LVSTG-001	Steam Turbine Lube Oil Vent	VOC		0.04	0.18
CT-001	Cooling Tower	PM/PM ₁₀		4.65	8.14
TK-DSL1	Diesel Tank 1	VOC		0.03	0.0004
TK-DSL2	Diesel Tank 2	VOC		0.01	0.0001
TK-004	Caustic Tank	Caustic		<0.01	<0.01
TK-005	H ₂ SO ₄ Tank	H ₂ SO ₄		<0.01	<0.01
FUG-P	Natural Gas Piping Fugitives (4)	VOC		0.173	0.759
FUG-NH ₃	Ammonia Fugitives (4)	NH ₃		0.00022	0.0007

(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 30 Texas Administrative Code Section 101.1

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

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			lb/hr	TPY

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.

* 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 _____