

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 53284 and PSD-TX-1027

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
CGT1	GE LM6000 Combustion Turbine	NO _x	8.4	34.6
		NO _x (6)	151.3	
		CO	12.2	50.5
		CO (6)	892.0	
		VOC	4.6	18.9
		VOC (6)	14.9	
		PM ₁₀	11.3	49.5
		SO ₂	1.3	5.5
		NH ₃	4.3	17.9
		(NH ₄) ₂ SO ₄	0.3	1.4
		H ₂ SO ₄	0.2	1.0
CGT2	GE LM6000 Combustion Turbine	NO _x	8.4	34.6
		NO _x (6)	151.3	
		CO	12.2	50.5
		CO (6)	892.0	
		VOC	4.6	18.9
		VOC (6)	14.9	
		PM ₁₀	11.3	49.5
		SO ₂	1.3	5.5
		NH ₃	4.3	17.9
		(NH ₄) ₂ SO ₄	0.3	1.4
		H ₂ SO ₄	0.2	1.0
CGT3	GE LM6000 Combustion Turbine	NO _x	8.4	34.6
		NO _x (6)	151.3	
		CO	12.2	50.5

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			lb/hr	TPY **
		CO (6)	892.0	
		VOC	4.6	18.9
		VOC (6)	14.9	
		PM ₁₀	11.3	49.5
		SO ₂	1.3	5.5
		NH ₃	4.3	17.9
		(NH ₄) ₂ SO ₄	0.3	1.4
		H ₂ SO ₄	0.2	1.0
CGT4	GE LM6000 Combustion Turbine	NO _x	8.4	34.6
		NO _x (6)	151.3	
		CO	12.2	50.5
		CO (6)	892.0	
		VOC	4.6	18.9
		VOC (6)	14.9	
		PM ₁₀	11.3	49.5
		SO ₂	1.3	5.5
		NH ₃	4.3	17.9
		(NH ₄) ₂ SO ₄	0.3	1.4
		H ₂ SO ₄	0.2	1.0
EMGEN1	Emergency Generator (5)	NO _x	32.40	8.10
		CO	7.43	1.86
		VOC	0.95	0.24
		PM ₁₀	0.95	0.24
		SO ₂	0.55	0.14
FWPUMP1	Fire Water Pump (5)	NO _x	9.30	2.33
		CO	2.00	0.50
		VOC	0.74	0.19
		PM ₁₀	0.66	0.17
		SO ₂	0.12	0.03
FUG-CGT	Plant Fugitives (4)	VOC	0.07	0.32

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			lb/hr	TPY **
		NH ₃	0.02	0.07
TK-DSL1	Diesel Tank 1 (4)	VOC	0.03	<0.01
TK-DSL2	Diesel Tank 2 (4)	VOC	0.01	<0.01
CT1	Cooling Tower 1	PM	0.04	0.19
CT2	Cooling Tower 2	PM	0.04	0.19

(1) Emission point identification - either specific equipment designation or emission point number (EPN).

(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

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code '101.1

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.

SO₂ - sulfur dioxide

NH₃ - ammonia

(NH₄)₂SO₄ - ammonium sulfate

H₂SO₄ - sulfuric acid

(4) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.

(5) Emissions are based on non-emergency operation of 500 operating hours per year.

(6) Emission rates for start-up and shutdown.

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

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

Dated August 15, 2008