

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4415

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**
4	Boiler Unit 1 (~1,300 MMBtu/hr) (Natural Gas)	NO _x	260.0	--
		CO	107.1	--
		VOC	7.2	--
		PM ₁₀	9.9	--
		SO ₂	18.1	--
	(No. 2 Fuel Oil)	NO _x	390.0	--
		CO	43.7	--
		VOC	1.8	--
		PM ₁₀	17.5	--
		SO ₂	248.1	--
4	Boiler Unit 1 Annual Emissions (Natural Gas/Fuel Oil)	NO _x	--	851.4
		CO	--	336.2
		VOC	--	22.5
		PM ₁₀	--	32.4
		SO ₂	--	116.1
6	Dansby Unit 3 (GE LM 6000 ~50 MW) (Natural Gas)	NO _x	8.60	--
		NO _x (5)	203.00	--
		CO	9.42	--
		CO (5)	923.00	--
		VOC	1.26	--
		VOC (5)	18.00	--
		PM ₁₀	11.65	--
		SO ₂	6.47	--
		H ₂ SO ₄	5.68	--
		NH ₃	4.46	--

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	(Fuel Oil)	NO _x	28.41	--
		NO _x (5)	203.00	--
		CO	9.74	--
		CO (5)	923.00	--
		VOC	2.38	--
		VOC (5)	18.00	--
		PM ₁₀	39.29	--
		SO ₂	19.48	--
		H ₂ SO ₄	18.95	--
		NH ₃	4.60	--
6	Dansby Unit 3 Annual Emissions (Natural Gas/Fuel Oil)	NO _x	--	20.74
		CO	--	20.06
		VOC	--	2.81
		PM ₁₀	--	14.74
		SO ₂	--	3.05
		H ₂ SO ₄	--	3.73
		NH ₃	--	9.49
CT-3	Cooling Tower	PM ₁₀	0.03	0.06
LOTK1	Turbine Lube Oil Tank	VOC	<0.01	<0.01
LOTK2	Generator Lube Oil Tank	VOC	0.01	<0.01
FUG-1	Fuel System Fugitives	VOC	0.38	1.65
FUG-2	Ammonia System Fugitives	NH ₃	0.11	0.47
Fug-3	Lube Oil Fugitives	VOC	0.35	1.52

- (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 an 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

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SO₂ - sulfur dioxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter

CO - carbon monoxide

H₂SO₄ - sulfuric acid

NH₃ - ammonia

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Maintenance, start-up, and shutdown emissions (MSS)

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period. Tons per year includes MSS emissions.

Dated June 30, 2008