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, sources, and related activities. 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	
			lbs/hour	TPY (4)
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	--
4	Boiler Unit 1 (~1,300 MMBtu/hr) (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	--

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		PM_{10}	11.65	--
		SO_2	6.47	--
		H_2SO_4	5.68	--
		NH_3	4.46	--
		NH_3 (5)	6.05	--
6	Dansby Unit 3 (GE LM 6000 ~50 MW) (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_2SO_4	18.95	--
		NH_3	4.60	--
		NH_3 (5)	6.05	--
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_2SO_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 (6)	VOC	0.38	1.65

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FUG-2	Ammonia System Fugitives (6)	NH_3	0.11	0.47
FUG-3	Lube Oil Fugitives (6)	VOC	0.35	1.52
FUG-MSS	MSS Fugitives (6)	NO_x	< 0.01	0.01
		CO	< 0.01	< 0.01
		VOC	2.15	0.06
		PM	0.51	< 0.01
		PM_{10}	0.51	< 0.01
		$PM_{2.5}$	0.51	< 0.01
		NH_3	0.63	0.03

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2SO_4 - sulfuric acid
NH_3 - ammonia
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Planned maintenance, start-up, and shutdown (MSS) emissions
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____