Emission Sources - Maximum Allowable Emission Rates

Permit Number 83638 and PSDTX1110

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)
E-ST3	GE 7HA.02 (~330 MW) w/~771 MMBtu/hr Duct Burner (6)	NO_x	27.81	168.59
		NO_x (MSS)	420.00	--
		CO	33.86	856.32
		CO (MSS)	7636.66	--
		VOC	19.35	169.55
		VOC (MSS)	1323.78	--
		SO_2	21.96	20.38
		SO_2 (MSS)	21.69	--
		PM (7)	42.86	87.95
		PM_{10} (7)	42.86	87.95
		$PM_{2.5}$ (7)	42.86	87.95
		NH_3	51.49	193.37
		H_2SO_4 (7)	3.69	3.46
		$(NH_4)_2SO_4$ (7)	22.96	20.56
E-ST4	GE 7HA.02 (~330 MW) w/~771 MMBtu/hr Duct Burner (6)	NO_x	27.81	168.59
		NO_x (MSS)	420.00	--
		CO	33.86	856.32
		CO (MSS)	7636.66	--
		VOC	19.35	169.55
		VOC (MSS)	1323.78	--
		SO_2	21.96	20.38
		SO_2 (MSS)	21.69	--
		PM (7)	42.86	87.95

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		PM_{10} (7)	42.86	87.95
		$PM_{2.5}$ (7)	42.86	87.95
		NH_3	51.49	193.37
		H_2SO_4 (7)	3.69	3.46
		$(NH_4)_2SO_4$ (7)	22.96	20.56
E-AUXBLR2	Auxiliary Boiler ~40 MMBtu/hr	NO_x	1.48	6.48
		CO	1.48	6.48
		VOC	0.22	0.96
		SO_2	0.23	0.25
		PM	0.20	0.88
		PM_{10}	0.20	0.88
		$PM_{2.5}$	0.20	0.88
E-PUMP2	Fire Water Pump 2 ~250-hp	NO_x	1.49	0.07
		CO	0.22	0.01
		VOC	0.06	<0.01
		SO_2	<0.01	<0.01
		PM	0.03	<0.01
		PM_{10}	0.03	<0.01
		$PM_{2.5}$	0.03	<0.01
E-PIPFUG2	Fugitive Components 2 (5)	VOC	0.05	0.22
E-LOV3	Turbine 3 Lube Vent Oil Vent	VOC	<0.01	0.01
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
E-LOV4	Turbine 4 Lube Vent Oil Vent	VOC	<0.01	0.01
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
E-LOVST2	Steam Turbine 2 Lube Vent Oil Vent	VOC	<0.01	0.01

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		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
E-NH3FUG2	Ammonia Fugitive Components (5)	NH_3	0.12	0.51
E-ILEMSS2	ILE Maintenance Fugitives (5)	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	0.12	<0.01
		PM	0.14	0.02
		PM_{10}	0.14	0.02
		$PM_{2.5}$	0.09	0.02
		NH_3	<0.01	<0.01
E-GEN2	Emergency Generator Unit 2	NO_x	35.29	1.76
		CO	1.94	0.10
		VOC	0.71	0.04
		SO_2	0.03	<0.01
		PM	0.16	0.01
		PM_{10}	0.16	0.01
		$PM_{2.5}$	0.16	0.01
E-DSLTK1	Diesel Tank 1	VOC	0.11	<0.01
E-DSLTK2	Diesel Tank 2	VOC	0.02	<0.01
E-DPHTR1	Dew Point Heater 1	NO_x	0.25	1.12
		CO	0.51	2.22
		VOC	0.04	0.17
		PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.05	0.23
		SO_2	0.04	0.17

Emission Sources - Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use 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
    PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
    $PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
    CO   - carbon monoxide
    NH_3 - ammonia
    H_2SO_4 sulfuric acid
    $(NH_4)_2SO_4$ ammonia sulfate
    (MSS)   - indicates maintenance, startup, and shutdown emissions
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Annual emission rates include normal and MSS emissions. MSS lb/hr emission allowables apply during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(7) Planned MSS hourly emissions are included.

Date: July 6, 2015