EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 82244 and PSD-TX-1098

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**
SCENARIO 1: GENERAL ELECTRIC PG7121(EA) WITH DUCT BURNER FIRING				
CTDB3-A	CT/HRSG Unit 3-A 75 MW-Gas-Fired Combustion Turbine 165-MMBtu/hr Duct Burner	NO_x (4)	9.5	--
		CO (4)	50.8	--
		SO_2	2.0	--
		PM/PM_{10}	12.4	--
		VOC	3.7	--
		H_2SO_4	0.3	--
		NH_3	12.3	--
		HCHO	0.4	--
		Toluene	0.2	--
CTDB3-B	CT/HRSG Unit 3-BA 75-MW Gas-Fired Combustion Turbine 165-MMBtu/hr Duct Burner	NO_x (4)	9.5	--
		CO (4)	50.8	--
		SO_2	2.0	--
		PM/PM_{10}	12.4	--
		VOC	3.7	--
		H_2SO_4	0.3	--
		NH_3	12.3	--
		HCHO	0.4	--
		Toluene	0.2	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

SCENARIO 2: GENERAL ELECTRIC PG7121(EA) WITHOUT DUCT BURNER FIRING

CTDB3-A	CT/HRSG Unit 3-A	NO_x (4)	8.2	--
	75-MW Gas-Fired	CO (4)	44.3	--
	Combustion Turbine	SO_2	1.7	--
		PM/PM_{10}	10.5	--
		VOC	2.1	--
		H_2SO_4	0.2	--
		NH_3	10.8	--
		HCHO	0.3	--
		Toluene	0.2	--
CTDB3-B	CT/HRSG Unit 3-BA	NO_x (4)	8.2	--
	75-MW Gas-Fired	CO (4)	44.3	--
	Combustion Turbine	SO_2	1.7	--
		PM/PM_{10}	10.5	--
		VOC	2.1	--
		H_2SO_4	0.2	--
		NH_3	10.8	--
		HCHO	0.3	--
		Toluene	0.2	--

SCENARIO 3: GENERAL ELECTRIC PG7121(EA) DURING START-UP OR SHUTDOWN

CTDB3-A	CT/HRSG Unit 3-A	NO_x	600	--
	75-MW Gas-Fired	CO	1000	--
	Combustion Turbine	SO_2	1.7	--
		PM/PM_{10}	10.5	--
		VOC	60	--
		H_2SO_4	0.2	--
		NH_3	10.8	--
		HCHO	0.3	--
		Toluene	0.2	--
CTDB3-B	CT/HRSG Unit 3-BA	NO_x	600	--
	75-MW Gas-Fired	CO	1000	--
	Combustion Turbine	VOC	1.7	--
		SO_2	10.5	--
		PM/PM_{10}	60	--
		VOC	0.2	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		H_2SO_4	10.8	--
		NH_3	0.3	--
		HCHO	0.2	--
		Toluene		

ANNUAL EMISSIONS GENERAL ELECTRIC PG7121(EA) WITH OR WITHOUT DUCT BURNER FIRING

CTDB3-A	CT/HRSG Unit 3-A 75-MW Gas-Fired Combustion Turbine 165-MMBtu/hr Duct Burner	NO_x	--	50.9
		CO	--	206.0
		SO_2	--	6.8
		PM/PM_{10}	--	49.0
		VOC	--	10.9
		H_2SO_4	--	0.8
		NH_3	--	42.3
		HCHO	--	1.3
		Toluene	--	0.6
CTDB3-B	CT/HRSG Unit 3-BA 75-MW Gas-Fired Combustion Turbine 165-MMBtu/hr Duct Burner	NO_x	--	50.9
		CO	--	206.0
		SO_2	--	6.8
		PM/PM_{10}	--	49.0
		VOC	--	10.9
		H_2SO_4	--	0.8
		NH_3	--	42.3
		HCHO	--	1.3
		Toluene	--	0.6
EG3		NO_x	27.3	0.5
		CO	7.3	0.2
		SO_2	0.5	0.01
		PM	0.6	0.01
		PM_{10}	0.5	0.01
		VOC	0.8	0.01
FWP3		NO_x	11.3	0.2
		CO	2.5	0.04
		SO_2	0.2	0.01
		PM/PM_{10}	0.8	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		VOC	0.9	0.02
CD13	Cooling Tower Cell 13	PM	0.2	0.9
		PM_{10}	0.1	0.5
CD14	Cooling Tower Cell 14	PM	0.2	0.9
		PM_{10}	0.1	0.5
CD15	Cooling Tower Cell 15	PM	0.2	0.9
		PM_{10}	0.1	0.5
CD16	Cooling Tower Cell 16	PM	0.2	0.9
		PM_{10}	0.1	0.5
CD17	Cooling Tower Cell 17	PM	0.2	0.9
		PM_{10}	0.1	0.5
CD18	Cooling Tower Cell 18	PM	0.2	0.9
		PM_{10}	0.1	0.5

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H_2SO_4 - sulfuric acid mist
NH_3 - ammonia
HCHO - formaldehyde
(4) Rolling 24 hour average

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

____Hrs/day ____Days/week ____Weeks/year or _8,760_Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated April 17, 2008