EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 19166 and PSD-TX-760M5

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
Turbines, Case I: Turbines Only - No Duct Burner Firing*				
7A	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_X	102.00	385.44
		CO	58.00	223.38
		VOC	0.90	3.94
		PM and PM_{10}	5.00	21.90
		SO_2	0.73	3.20
7B	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_X	102.00	385.44
		CO	58.00	223.38
		VOC	0.90	3.94
		PM and PM_{10}	5.00	21.90
		SO_2	0.73	3.20
7C	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_X	102.00	385.44
		CO	58.00	223.38
		VOC	0.90	3.94
		PM and PM_{10}	5.00	21.90
		SO_2	0.73	3.20
7D	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_X	115.00	455.52
		CO	57.00	227.76
		VOC	0.90	3.94
		PM and PM_{10}	5.00	21.90
		SO_2	0.73	3.20
7E	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_X	115.00	455.52
		CO	57.00	227.76
		VOC	0.90	3.94
		PM and PM_{10}	5.00	21.90
		SO_2	0.73	3.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
Turbines, Case II: Turbines with Duct Burners Firing*				
7A	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner 25.01 Firing Hydrogen, Natural 3.64 Gas or Process Gas	NO_X	119.02	460.00
		CO	60.13	232.71
		VOC	1.75	7.66
		PM and PM_{10}	5.71	
		SO_2	0.83	
7B	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner 25.01 Firing Hydrogen, Natural 3.64 Gas or Process Gas	NO_X	119.02	460.00
		CO	60.13	232.71
		VOC	1.75	7.66
		PM and PM_{10}	5.71	
		SO_2	0.83	
7C	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner 25.01 Firing Hydrogen, Natural 3.64 Gas or Process Gas	NO_X	119.02	460.00
		CO	60.13	232.71
		VOC	1.75	7.66
		PM and PM_{10}	5.71	
		SO_2	0.83	
7D	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner 25.01 Firing Hydrogen, Natural 3.64	NO_X	132.02	530.07
		CO	59.13	237.09
		VOC	1.75	7.66
		PM and PM_{10}	5.71	
		SO_2	0.83	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Gas or Process Gas			
7E	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner 25.01 Firing Hydrogen, Natural 3.64 Gas or Process Gas	NO_X	132.02	530.07
		CO	59.13	237.09
		VOC	1.75	7.66
		PM and PM_{10}		5.71
		SO_2		0.83

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
7F	Package Boiler	NO_X	12.50	54.75
		CO	9.25	40.52
		VOC	0.34	1.51
		PM and PM_{10}	1.25	5.48
		SO_2	0.10	0.43
CWTP1	Combined Wastewater Treatment Plant	VOC	6.25	27.3

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name.
(3) VOC -volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - 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.
CO - carbon monoxide
(4) Maximum hourly emissions based on an ambient temperature of 20°F for Emission Point No. (EPN) 7A through C and 30°F for EPN 7D through E.
(5) Annual emissions based on 70°F ambient temperature for EPN 7A through E.

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

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

Dated ____