EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21587 and PSD-TX-807

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 (4)	TPY (5)
LONG-TERM EMISSION LIMITS NOT TO EXCEED				
Based on 125 hours of fuel oil firing and 8,635 hours of natural gas firing per consecutive 12-month period, with duct burner operation on natural gas for 8,760 hours per consecutive 12-month period.				
DP1	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	--	439.4
		CO	--	415.0
		PM/PM10	--	50.9
		VOC	--	38.8
		SO2	--	18.6
DP2	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	--	439.4
		CO	--	415.0
		PM/PM10	--	50.9
		VOC	--	38.8
		SO2	--	18.6
SHORT-TERM EMISSION LIMITS				
Case I: Turbines firing fuel oil with duct burners firing natural gas.				
DP1	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	364.5	--
		CO	112.5	--
		PM/PM10	19.5	--
		VOC	12.5	--
		SO2	235.3	--
DP2	80 MWe GAS Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	364.5	--
		CO	112.5	--
		PM/PM10	19.5	--
		VOC	12.5	--
		SO2	235.3	--

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr (4)	TPY (5)
Case II: Turbines firing fuel oil with duct burners unfired.				
DP1	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	320.0	--
		CO	71.0	--
		PM/PM10	15.0	--
		VOC	5.5	--
		SO2	235.0	--
DP2	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	320.0	--
		CO	71.0	--
		PM/PM10	15.0	--
		VOC	5.5	--
		SO2	235.0	--
Case III: Turbines firing natural gas with duct burners unfired.				
DP1	80 MWe GAS Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	62.0	--
		CO	52.0	--
		PM/PM10	7.0	--
		VOC	2.2	--
		SO2	0.7	--
DP2	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx	62.0	--
		CO	52.0	--
		PM/PM10	7.0	--
		VOC	2.2	--
		SO2	0.7	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Case IV: Turbines firing natural gas with duct burners fired.

DP1	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx CO PM/PM10 VOC SO2	106.5 93.5 11.5 9.2 1.0	-- -- -- -- --

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr (4)	TPY (5)
DP2	80 MWe Gas Turbine GE Frame 7EA with 550 MMBtu/hr Duct Burner	NOx CO PM/PM10 VOC SO2	106.5 93.5 11.5 9.2 1.0	-- -- -- -- --

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name.
(3) NOx - total oxides of nitrogen
PM - particulate matter
PM10 - particulate matter less than 10 microns
CO - carbon monoxide
SO2 - sulfur dioxide
VOC - volatile organic compounds as defined in General Rule 101.1
(4) Maximum hourly emissions based on 20°F ambient temperature.
(5) Annual emissions based on 70°F ambient temperature with 125 hours of fuel oil firing and 8,635 hours of natural gas firing per year, with duct burners in operation.

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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