

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 37302 and PSD-TX-895

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

Hourly Allowables

Case I: Full Load Operation of the Combustion Turbines

STACK 1,	Combined Cycle Gas Turbine	NO _x	104.0
STACK 2,	ABB Model GT24	CO	43.0
STACK 3,	180 MW	VOC	22.0
and STACK 4		PM ₁₀	18.0
		SO ₂	4.0

Case II: Partial Load Operation of the Combustion Turbines at or above 75 percent of Full Load

STACK 1,	Combined Cycle Gas Turbine	NO _x (4)	104.0
STACK 2,	ABB Model GT24	CO	168.0
STACK 3,	180 MW	VOC	29.0
and STACK 4		PM ₁₀	18.0
		SO ₂	4.0

Case III: Partial Load Operation of the Combustion Turbines at 60 to 74 percent of Full Load

STACK 1,	Combined Cycle Gas Turbine	NO _x (4)	104.0
STACK 2,	ABB Model GT24	CO	577.0
STACK 3,	180 MW	VOC	29.0
and STACK 4		PM ₁₀	14.0
		SO ₂	3.0

Annual Allowables at All Loads

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STACK 1,	Combined Cycle Gas Turbine	NO _x	411.7
STACK 2,	ABB Model GT24	CO	416.1
STACK 3,	180 MW	VOC	87.6
and STACK 4		PM ₁₀	70.1
		SO ₂	17.5

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan. Allowables listed are for each of the four turbines (stacks): STACK 1, STACK 2, STACK 3, and STACK 4.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM₁₀ - particulate matter (PM) 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) The NO_x concentration limits for the gas turbines listed in the permit conditions apply at all loads and may be a more stringent requirement than the mass emission rate limits listed for Case II and III of this table.

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

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

Dated _____