EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 41500 and PSDTX943

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**
TURBINE AND DUCT BURNER				
CU1	Turbine/HRSG No. 1 GE 7241 FA Turbine with 700 MMBtu/hr Duct Burner	NO_x	164.75	--
		CO	116.90	--
		PM/PM_{10}	35.90	--
		VOC	19.72	--
		SO_2	48.35	--
		H_2SO_4	7.40	--
CU2	Turbine/HRSG No. 2 GE 7241 FA Turbine with 700 MMBtu/hr Duct Burner	NO_x	164.75	--
		CO	116.90	--
		PM/PM_{10}	35.90	--
		VOC	19.72	--
		SO_2	48.35	--
		H_2SO_4	7.40	--
FUGITIVES				
FUG	Piping Fugitives	VOC	2.02	2.38
		H_2S	0.002	0.004
AUXILIARY BOILERS				
AB 1	Auxiliary Boiler 1 315 MMBtu/hr (4)	NO_x	18.84	--
		CO	28.11	--
		PM/PM_{10}	1.57	--
		VOC	2.81	--
		SO_2	9.40	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AB 2	Auxiliary Boiler 2 315 MMBtu/hr (5)	NO_x	18.84	--
		CO	28.11	--
		PM/PM_{10}	1.57	--
		VOC	2.81	--
		SO_2	9.40	--

TURBINES, DUCT BURNERS, AND AUXILIARY BOILERS (TONS PER YEAR)

CU 1 and 2 AB 1 and 2	Annual Total for Two Turbines****/Duct Burners ***and Two Auxiliary Boilers (Includes MSS emissions)	NO_x	--	820.10
		CO	--	685.40
		PM/PM_{10}	--	226.90
		VOC	--	74.70
		SO_2	--	126.20
		H_2SO_4		19.30

COOLING TOWERS

CT	Cooling Towers	PM/PM_{10}	11.15	48.85

MAINTENANCE, STARTUP, AND SHUTDOWN

CU1	Turbine/HRSG No. 1	NO_x	335.41	--
		CO	1020.96	--
		PM/PM_{10}	35.90	--
		VOC	183.49	--
		SO_2	48.35	--
		H_2SO_4	7.40	--
CU2	Turbine/HRSG No. 2	NO_x	335.41	--
		CO	1020.96	--
		PM/PM_{10}	35.90	--
		VOC	183.49	--
		SO_2	48.35	--
		H_2SO_4	7.40	--
AB1	Auxiliary Boiler 1	NO_x	31.50	--
		CO	116.41	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AB2	Auxiliary Boiler 2	NO_x	31.50	--
		CO	116.41	--

(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) 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 - 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
CO - carbon monoxide
H_2SO_4 - sulfuric acid
H_2S - hydrogen sulfide
(4) The maximum heat input capacity above 315 Million British thermal units per hour (MMBtu/hr) (up to 336.4 MMBtu/hr) is currently authorized under 30 TAC § 106.261 and Permit by Rule Registration Number 47963 effective July 20, 2001.
(5) The maximum heat input capacity above 315 MMBtu/hr (up to 336.4 MMBtu/hr) is currently authorized under 30 TAC § 106.261 and Permit by Rule Registration Number 47950 July 5, 2001.

* 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

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

*** The combined annual heat input for the two duct burners based on any consecutive 12-month period shall not exceed 6,745,200 MMBtu/yr (higher heating value).

****Steam augmentation for 1,000 hours per year per turbine.

Date April 9, 2010