

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49129

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**
EY201ST	W-72 Turbine 17A1331-1 (Turbine only operation)	NO _x	34.8	-
		CO	81.5	-
		VOC	0.28	-
		PM ₁₀	0.88	-
		SO ₂	2.1	-
EY203ST	W-62 Turbine 17A1321-1 (Turbine only operation)	NO _x	23.3	-
		CO	82.7	-
		VOC	0.21	-
		PM ₁₀	0.65	-
		SO ₂	1.5	-
EY201ST EY203ST	W-72 and W-62 Turbines (4) (Turbine only operation)	NO _x	-	6.8
		CO	-	23.5
		VOC	-	0.1
		PM ₁₀	-	0.3
		SO ₂	-	0.8

Case I - Before Installation of low-NO_x burners

EY001ST	A Boiler Stack (Boiler with or without turbine)	NO _x	25.3	92.0
		CO	17.1	74.7
		VOC	1.1	4.9
		PM ₁₀	1.5	6.8
		SO ₂	2.2	9.7
EY002ST	B Boiler Stack (Boiler with or without turbine)	NO _x	25.3	92.0
		CO	17.1	74.7
		VOC	1.1	4.9
		PM ₁₀	1.5	6.8
		SO ₂	1.6	7.1

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AIR CONTAMINANTS DATA

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

Case II - After Installation of low-NO_x burners

EY001ST	A Boiler Stack (Boiler with or without turbine)	NO _x	11.9	43.3
		CO	17.1	74.7
		VOC	1.1	4.9
		PM ₁₀	1.5	6.8
		SO ₂	2.2	9.7
EY002ST	B Boiler Stack (Boiler with or without turbine)	NO _x	11.9	43.3
		CO	17.1	74.7
		VOC	1.1	4.9
		PM ₁₀	1.5	6.8
		SO ₂	1.6	7.1

- (1) Emission point identification - either specific equipment designation or emission point number (EPN).
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - 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.
- (4) The two turbines are limited to a combined total of 720 hours/year of turbine-only operation.

* Emission rates are based on an operating schedule of 8,760 hours/year.

** Compliance with the annual emission limits shall be based on a rolling 12-month year rather than the calendar year.

Dated July 23, 2003