

Emission Sources - Maximum Allowable Emission Rates

Permit Number 73319

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
EXHSTKB1	Boiler No. 1 180 MMBtu/hr	NO _x	6.50	28.40
		CO	13.50	59.10
		SO ₂	2.60	11.40
		PM ₁₀	1.40	6.10
		VOC	1.00	4.40
EXHSTKB4	Boiler No. 4 180 MMBtu/hr	NO _x	6.50	28.40
		CO	13.50	59.10
		SO ₂	2.60	11.40
		PM ₁₀	1.40	6.10
		VOC	1.00	4.40
EXHSTKB5	Boiler No. 5 (5) 170 MMBtu/hr	NO _x	17.74	8.87
		CO	0.05	0.025
		SO ₂	2.60	1.30
		PM ₁₀	1.40	0.70
		VOC	1.00	0.50
EXHSTKWHR1	Waste Heat Recovery Unit 115 MMBtu/hr Duct Burner W191 Turbine (15MW) Stack No. 1	NO _x	21.35	93.60
		CO	17.28	75.70
		SO ₂	1.50	6.50
		PM ₁₀	0.70	3.10
		VOC	0.40	1.50
EXHSTKWHR2	Waste Heat Recovery Unit 115 MMBtu/hr Duct	NO _x	21.35	93.60

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		CO	17.28	75.70
		SO ₂	1.50	6.50
		PM ₁₀	0.70	3.10
		VOC	0.40	1.50
EXHSTKWHR3	Waste Heat Recovery Unit	NO _x	21.35	93.60
	115 MMBtu/hr Duct Burner	CO	17.28	75.70
	W191 Turbine (15MW)	SO ₂	1.50	6.50
	Stack No. 3	PM ₁₀	0.70	3.10
		VOC	0.40	1.50
VENT21	Tank 21 (6)	VOC	0.98	3.23
VENT22	Tank 22	VOC	22.79	6.42
VENT 23	Tank 23 (6)	VOC	1.20	4.11

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rates for backup services limited to 1,000 hours per rolling 12-month period only as specified in Special Condition No. 5.
- (6) Storage tanks shall disconnected, permanently removed from service, and will no longer be authorized pursuant to the time frame specified in Special Condition 17 of the permit.

Date: January 31, 2017