

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3635A

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)	<u>Emission Rates</u>	
			lb/hr	TPY
1	Boiler No. 1 25.2 MMBtu (Natural Gas, No. 2 Fuel Oil, or Beef Tallow)	PM/PM ₁₀	0.36	--
		VOC	0.13	--
		NO _x	3.60	--
		CO	2.02	--
		SO ₂	7.67	--
2	Boiler No. 2 25.2 MMBtu (Natural Gas, No. 2 Fuel Oil, or Beef Tallow)	PM/PM ₁₀	0.36	--
		VOC	0.13	--
		NO _x	3.60	--
		CO	2.02	--
		SO ₂	7.67	--
3	Boiler No. 3 25.2 MMBtu (Natural Gas, No. 2 Fuel Oil, or Beef Tallow)	PM/PM ₁₀	0.36	--
		VOC	0.13	--
		NO _x	3.60	--
		CO	2.02	--
		SO ₂	7.67	--
4	Boiler No. 4 25.2 MMBtu (Natural Gas, No. 2 Fuel Oil, or Beef Tallow)	PM/PM ₁₀	0.36	--
		VOC	0.13	--
		NO _x	3.60	--
		CO	2.02	--
		SO ₂	7.67	--
5	Boiler No. 5 29.4 MMBtu (Natural Gas, No. 2 Fuel Oil, or Beef Tallow)	PM/PM ₁₀	0.42	--
		VOC	0.15	--
		NO _x	4.20	--
		CO	2.35	--
		SO ₂	8.95	--

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
6	Boiler No. 6 29.4 MMBtu (Natural Gas, No. 2 Fuel Oil, or Beef Tallow)	PM/PM ₁₀	0.42	--
		VOC	0.15	--
		NO _x	4.20	--
		CO	2.35	--
		SO ₂	8.95	--
9	Boiler No. 9 16.80 MMBtu (Natural Gas or No. 2 Fuel Oil) (4)	PM/PM ₁₀	0.24	--
		VOC	0.09	--
		NO _x	2.40	--
		CO	1.34	--
		SO ₂	5.11	--
7	Blood Dryer 5.5 MMBtu and Cyclones (Natural Gas) (5)	PM/PM ₁₀	1.91	--
		VOC	0.03	--
		NO _x	0.52	--
		CO	0.44	--
		SO ₂	<0.01	--
		H ₂ S	0.12	--
		NH ₃	0.92	--
8	Bone Dryer 20.0 MMBtu, and 2 Forsberg Cyclones (Natural Gas) (6)	PM/PM ₁₀	3.98	--
		VOC	0.10	--
		NO _x	1.90	--
		CO	1.60	--
		SO ₂	0.01	--
	Total Annual Emissions (7)	PM/PM ₁₀	--	23.54
		VOC	--	3.89
		NO _x	--	90.00
		CO	--	60.85
		SO ₂	--	53.64
		H ₂ S	--	0.27
		NH ₃	--	2.02

(1) Emission point identification: either specific equipment designation or emission point number from plot plan.

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- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
 - NO_x - nitrogen oxides
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - H₂S - hydrogen sulfide
 - NH₃ - ammonia
- (4) Boiler No. 9 is authorized by PBR 106.183
- (5) Includes emissions from blood drying (PM/PM₁₀, NH₃, and H₂S)
- (6) Includes emissions from bone drying (PM/PM₁₀)
- (7) Total annual emission rates from fuel combustion are based on the total allowable fuel usage limitations as specified in the special conditions. Total annual emission rates from blood and bone drying are based on production limitations specified in special conditions.

Dated: September 29, 2009