

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56483

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
P1	Green Bean Handling Baghouse (a)	PM ₁₀	0.80	2.07
P2	Continuous Coffee Roaster No. 1 Afterburner (b) *	PM ₁₀	1.23	3.64
		SO ₂	<0.01	0.03
		NO _x 1.13	4.95	
		CO 0.95	4.16	
		VOC 0.06	0.27	
		CH ₂ CHCHO	0.08	0.22
		CH ₃ CHO	0.04	0.11
		CH ₃ COOH	0.11	0.31
P3	Continuous Coffee Roaster No. 2 Afterburner (b) (e)	PM ₁₀	1.23	3.64
		SO ₂	<0.01	0.03
		NO _x 1.13	4.95	
		CO 0.95	4.16	
		VOC 0.06	0.27	
		CH ₂ CHCHO	0.08	0.22
		CH ₃ CHO	0.04	0.11
		CH ₃ COOH	0.11	0.31
P2BP	Continuous Coffee Roaster No. 1 Bypass Stack (c)	PM ₁₀	0.05	0.01
		SO ₂	<0.01	<0.01
		NO _x 0.68	0.09	
		CO 0.57	0.07	
		VOC 0.04	0.01	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
P3BP	Continuous Coffee Roaster No. 2 Bypass Stack (c)	PM ₁₀	0.05	0.01
		SO ₂	<0.01	<0.01
		NO _x 0.68	0.09	
		CO 0.57	0.07	
		VOC 0.04	0.01	
P8	Batch Coffee Roaster No. 1 Afterburner (d) (e)	PM ₁₀	0.69	0.47
		SO ₂	<0.01	0.01
		NO _x 0.56	2.45	
		CO 0.47	2.05	
		VOC 0.03	0.13	
		CH ₂ CHCHO	0.01	<0.01
		CH ₃ CHO	<0.01	<0.01
P9	Batch Coffee Roaster No. 2 Afterburner (d) (e)	CH ₃ COOH	0.01	0.01
		PM ₁₀	0.69	0.47
		SO ₂	<0.01	0.01
		NO _x 0.56	2.45	
		CO 0.47	2.05	
		VOC 0.03	0.13	
		CH ₂ CHCHO	0.01	<0.01
P4	Continuous Cooler No. 1 Cyclones (b)	CH ₃ CHO	<0.01	<0.01
		CH ₃ COOH	0.01	0.01
		PM ₁₀	0.17	0.48
P5	Continuous Cooler No. 2 Cyclones (b)	PM ₁₀	0.17	0.48
P10	Batch Cooler Nos. 1 and 2 Cyclone (f)	PM ₁₀	0.04	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
P6	Continuous Destoner No. 1 Cyclones (b)	PM ₁₀	0.17	0.48
P7	Continuous Destoner No. 2 Cyclones (b)	PM ₁₀	0.17	0.48
P11	Batch Destoner Cyclone (f)	PM ₁₀	0.04	0.02
P12	Chaff Collector Cyclones (a)	PM ₁₀	1.06	2.31
P13	Receiver No. 1 Filter (g)	PM ₁₀	<0.01	<0.01
P14	Receiver No. 2 Filter (g)	PM ₁₀	<0.01	<0.01
P15	Receiver No. 3 Filter (g)	PM ₁₀	<0.01	<0.01
P16	Receiver No. 4 Filter (g)	PM ₁₀	<0.01	<0.01
P17	Receiver No. 5 Filter (g)	PM ₁₀	<0.01	<0.01

(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) 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.

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code §

101.1

CH₂CHCHO - acrolein

CH₃CHO - acetaldehyde

CH₃COOH - acetic acid

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- (a) Emission rates are based on and the facilities are limited to an hourly throughput of 27,000 pounds (13.5 tons) and an annual throughput of 140,000,000 pounds (70,000 tons) of coffee beans.
- (b) Emission rates are based on and the facilities are limited to an hourly throughput of 12,000 pounds (6 tons) and an annual throughput of 68,600,000 pounds (34,300 tons) of coffee beans.
- (c) Emission rates are based on and the facilities are limited to a maximum operating schedule of 260 hours per year.
- (d) Emission rates are based on and the facilities are limited to an hourly throughput of 1,500 pounds (0.75 ton) and an annual throughput of 1,400,000 pounds (700 tons) of coffee beans.
- (e) Emission limits for natural gas combustion are based on an operating schedule of 8,760 hours per year.
- (f) Emission rates are based on and the facilities are limited to an hourly throughput of 3,000 pounds (1.50 tons) and an annual throughput of 2,800,000 pounds (1,400 tons) of coffee beans.
- (g) Emission rates are based on and the facilities are limited to an hourly throughput of 27,000 pounds (13.5 tons) and an annual throughput of 28,000,000 pounds (14,000 tons) of coffee beans.

* This afterburner is authorized under Permit by Rule § 106.261 (Registration Number 52930).

Dated September 13, 2004