

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56398

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
2, 3, 4, and 5	Probat Roaster 1, 2, 3, and 4 Receiving Cyclones (4)	PM/PM ₁₀	0.09	0.39
6	Probat Roaster 1 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
7	Probat Roaster 2 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
8	Probat Roaster 3 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20

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			lb/hr	TPY
9	Probat Roaster 4 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
14	Silo 2 MB Caff Cyclone 1	PM/PM ₁₀	0.09	0.39
15	Bad Bar Caff Silo Cyclone 1	PM/PM ₁₀	0.09	0.39
16	FSPD Caff Blending Silo Cyclone 1	PM/PM ₁₀	0.09	0.39
17	RWB Silo 3 Decaff Baghouse	PM/PM ₁₀	0.09	0.39
18, 19, 20, and 21	Probat Roaster 5, 6, 7, and 8 Receiving Cyclones (4)	PM/PM ₁₀	0.09	0.39
22	Probat Roaster 5 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
23	Probat Roaster 6	PM/PM ₁₀	0.10	0.42

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			lb/hr	TPY
	Afterburner	SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
24	Probat Roaster 7 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
25	Probat Roaster 8 Afterburner	PM/PM ₁₀	0.10	0.42
		SO ₂	<0.01	0.01
		NO _x	0.38	1.66
		CO	1.82	7.98
		VOC	0.09	0.40
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
30	Silo 2 MB Caff Cyclone 2	PM/PM ₁₀	0.09	0.39
31	Bad Bar Caff Silo Cyclone 2	PM/PM ₁₀	0.09	0.39
32	FSPD Caff Blending Silo Cyclone 2	PM/PM ₁₀	0.09	0.39
33	RWB Silo 3 Decaff Baghouse 2	PM/PM ₁₀	0.05	0.23

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			lb/hr	TPY
34	SIG 1 Cyclone	PM/PM ₁₀	0.05	0.39
40	Decaff Green Bean Probat Baghouse	PM/PM ₁₀	0.05	0.23
311	Area Vacuum System Baghouse	PM/PM ₁₀	0.34	1.50
320	Bin Silo 63 Baghouse 1	PM/PM ₁₀	0.34	1.50
321	Bin Silo 63 Baghouse 2	PM/PM ₁₀	0.34	1.50
322	Bin Silo 64 Baghouse 1	PM/PM ₁₀	0.34	1.50
359	Spray Dryer 12 Cyclone	PM/PM ₁₀	8.77	8.41
		SO ₂	<0.01	0.02
		NO _x	0.64	2.79
		CO	0.54	2.34
		VOC	0.04	0.15
362	Spray Dryer 11 Cyclone	PM/PM ₁₀	8.71	38.15
		SO ₂	<0.01	0.02
		NO _x	0.64	2.79
		CO	0.54	2.34
		VOC	0.04	0.15
402	Boiler 5	PM/PM ₁₀	0.93	0.94
		SO ₂	0.07	0.07

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		NO _x	41.42	41.75
		CO	6.20	6.25
		VOC 0.68	0.68	
404	Boiler 6	PM/PM ₁₀	1.55	6.79
		SO ₂	0.12	0.54
		NO _x (5)	12.36	-
		NO _x (6)	45.44	-
		NO _x (7)	-	199.03
		CO 7.21	31.58	
		VOC	1.12	4.91
405	Building Fugitives (Includes Storage Bin Vents)	PM/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 area name or fugitive source name.

(3) PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM 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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- (4) Hourly emission rate applies to each EPN. The annual emission rate is the combined maximum allowable emission rate for all four EPNs.
- (5) Hourly NO_x emission limit is based on firing natural gas only and shall not be effective until March 1, 2007.
- (6) Hourly NO_x emission limit based on firing of natural gas and coffee grounds/chaff.
- (7) Annual NO_x emission limit regardless of fuel fired, i.e., natural gas only or natural gas and coffee grounds/chaff.

Dated February 1, 2007