

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, 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)
2	Probat Roaster 1 Receiving Cyclone Stack	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
3	Probat Roaster 2 Receiving Cyclone Stack	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
4	Probat Roaster 3 Receiving Cyclone Stack	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
5	Probat Roaster 4 Receiving Cyclone Stack	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
6	Probat Roaster 1 Afterburner Stack	PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23

Emission Sources - Maximum Allowable Emission Rates

		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 Stack	PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		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 Stack	PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20

Emission Sources - Maximum Allowable Emission Rates

9	Probat Roaster 4 Afterburner Stack	PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		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 Baghouse No. 1 Stack (5)	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.07	0.30
15	Bad Bar Caff Silo Cyclone No. 1 Stack (5)	PM	0.21	0.90
		PM ₁₀	0.21	0.90
		PM _{2.5}	0.21	0.90
16	FSPD Caff Blending Silo Baghouse No. 1 Stack (5)	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.07	0.30
	Total Operations for Silo 2 MB Caff Baghouse No. 1, Bad Bar Caff Silo Cyclone No. 1, and FSPD Caff Blending Silo Baghouse No. 1	PM	0.21	0.90
		PM ₁₀	0.21	0.90
		PM _{2.5}	0.21	0.90

Emission Sources - Maximum Allowable Emission Rates

18	Probat Roaster 5 Receiving Cyclone Stack	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
19	Probat Roaster 6 Receiving Cyclone Stack	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
20	Probat Roaster 7 Receiving Cyclone Stack	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
21	Probat Roaster 8 Receiving Cyclone Stack	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
22	Probat Roaster 5 Afterburner Stack	PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		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 Afterburner Stack	PM	0.04	0.20

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		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 Stack	PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01
		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
25	Probat Roaster 8 Afterburner Stack	CH ₃ COOH	0.05	0.20
		PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		NO _x	0.38	1.68
		CO	1.92	8.41
		VOC	0.05	0.23
		CH ₂ CHCHO	0.03	0.14
		CH ₃ CHO	0.02	0.07
		CH ₃ COOH	0.05	0.20
17	RWB Silo 3 Decaff Baghouse No. 1 Stack (6)	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
30	Silo 2 MB Caff Baghouse No. 2 Stack (6)	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
31	Bad Bar Caff Silo Cyclone No. 2 Stack (6)	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.15	0.68
	Total Operations for RWB Silo 3 Decaff Baghouse No. 1, Silo 2 MB Caff Baghouse No. 2, and Bad Bar Caff Silo Cyclone No. 2	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.15	0.68
32	FSPD Caff Blending Silo Baghouse No. 2 Stack	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.07	0.30
33	RWB Silo 3 Decaff Baghouse No. 2 Stack	PM	0.07	0.30
		PM ₁₀	0.07	0.30

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.07	0.30
40	Decaff Green Bean Probat Baghouse Stack	PM	0.05	0.23
		PM ₁₀	0.05	0.23
311	Area Vacuum System Baghouse Stack	PM	0.34	1.50
		PM ₁₀	0.34	1.50
320	Bin Silo 63 Baghouse No. 1 Stack	PM	0.34	1.50
		PM ₁₀	0.34	1.50
321	Bin Silo 63 Baghouse No. 2 Stack	PM	0.34	1.50
		PM ₁₀	0.34	1.50
322	Bin Silo 64 Baghouse Stack	PM	0.34	1.50
		PM ₁₀	0.34	1.50
359	Spray Dryer 12 Cyclone Stack	PM	8.77	38.41
		PM ₁₀	8.77	38.41
		PM _{2.5}	8.77	38.41
		SO ₂	0.01	0.04
		NO _x	1.52	6.67
		CO	1.28	5.60
		VOC	0.08	0.37
362	Spray Dryer 11 Cyclone Stack	PM	8.71	38.15
		PM ₁₀	8.71	38.15
		PM _{2.5}	8.71	38.15
		SO ₂	0.01	0.05
		NO _x	1.09	4.78

Emission Sources - Maximum Allowable Emission Rates

		CO	2.73	11.94
		VOC	0.04	0.16
402	Boiler 5 Stack	PM	0.60	0.10
		PM ₁₀	0.60	0.10
		PM _{2.5}	0.60	0.10
		SO ₂	0.05	0.01
		NO _x	7.84	1.32
		CO	6.59	1.11
		VOC	0.43	0.07
404	Boiler 6 Stack	PM	9.92	33.05
		PM ₁₀	8.72	29.05
		PM _{2.5}	7.52	25.05
		SO ₂	3.74	12.47
		NO _x (7)	12.36	--
		NO _x (8)	45.44	--
		NO _x (9)	--	199.03
		CO	7.21	31.58
		VOC	1.12	4.91
406	Building Fugitives (Includes Storage Bin Vents) (10)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
PBR § 106.183 (Registration No. 37950)				
405	Boiler 7	PM	0.50	2.17

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	0.50	2.17
		SO ₂	0.02	0.10
		NO _x	2.24	9.80
		CO	2.24	9.68
		VOC	0.21	0.92
Standard Permit (SP) sources incorporated by reference. Sources remain authorized by the SP(s) as listed below:				
SP § 116.617 (Permit No. 46897) (11)				
10	Probat Battery 1 Baghouse	PM	1.54	6.76
		PM ₁₀	1.54	6.76
26	Probat Battery 2 Baghouse	PM	1.54	6.76
		PM ₁₀	1.54	6.76
SP § 116.617 (Permit No. 46558) (11)				
15A-16A	MRG Southland Bins Baghouse	PM	0.17	0.75
		PM ₁₀	0.17	0.75
358A	RWB Curing Bins Baghouse No. 1	PM	0.17	0.75
		PM ₁₀	0.17	0.75
358B	RWB Curing Bins Baghouse No. 2	PM	0.17	0.75
		PM ₁₀	0.17	0.75

- (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) PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- 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
- Project Number 161974

Emission Sources - Maximum Allowable Emission Rates

SO ₂	-	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
CH ₂ CHCHO	-	acrolein
CH ₃ CHO	-	acetaldehyde
CH ₃ COOH	-	acetic acid

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

(5) Only one emission source in this grouping (EPNs 14, 15, and 16) can operate at any given time.

(6) Only one emission source in this grouping (EPNs 17, 30, and 31) can operate at any given time.

(7) Hourly NO_x emissions limit based on firing of natural gas only.

(8) Hourly NO_x emissions limit based on firing of natural gas and coffee grounds/chaff.

(9) Annual NO_x emissions limit regardless of fuel fired (i.e., natural gas only or natural gas and coffee ground/chaff).

(10) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(11) SP is a Pollution Control Projects (PCP) SP.

Dated May 17, 2012