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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	0.05	0.20
9	Probat Roaster 4 Afterburner Stack	PM	0.04	0.20
		PM_{10}	0.04	0.20

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	0.05	0.20
14	Silo 2 MB Caff Baghouse No. 1 Stack (7)	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 (7)	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 (7)	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
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

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	0.05	0.20
23	Probat Roaster 6 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_2CHCHO	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

		CH_3CHO	0.02	0.07
		CH_3COOH	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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	0.05	0.20
25	Probat Roaster 8 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_2CHCHO	0.03	0.14
		CH_3CHO	0.02	0.07
		CH_3COOH	0.05	0.20
17	RWB Silo 3 Decaff Baghouse No. 1 Stack (8)	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.05	0.23

Emission Sources - Maximum Allowable Emission Rates

30	Silo 2 MB Caff Baghouse No. 2 Stack (8)	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 (8)	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
		$PM_{2.5}$	0.07	0.30
40	Decaff Green Bean Probat Baghouse Stack	PM	0.05	0.23
		PM_{10}	0.05	0.23
137	Green Bean Transfer Baghouse Vent	PM	0.03	0.13
		PM_{10}	0.03	0.13
138	Isothermal Roasters 1 and 2 RTO Stack	PM	1.35	5.93
		PM_{10}	1.35	5.93
		SO_2	0.01	0.05
		NO_x	1.78	7.81
		CO	7.12	31.19
		VOC (6)	0.15	0.66

Emission Sources - Maximum Allowable Emission Rates

139A	Rotoclone Wet Cyclone Stack	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
139B	Rotoclone Wet Cyclone Stack	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
139C	Receiving 1 Cyclone Vent	PM	0.24	0.58
		PM_{10}	0.24	0.58
139D	Receiving 2 Cyclone Vent	PM	0.24	0.58
		PM_{10}	0.24	0.58
141	Receiving Mixer Baghouse Vent	PM	0.03	0.13
		PM_{10}	0.03	0.13
142	Coffee Transfer Baghouse Vent	PM	0.03	0.13
		PM_{10}	0.03	0.13
101 and 102	Green Bean Receiving Bins Baghouse Vents	PM	0.03	0.13
		PM_{10}	0.03	0.13
103	Isothermal Roaster 3 RTO Stack	PM	3.08	13.49
		PM_{10}	3.08	13.49
		$PM_{2.5}$	1.33	5.84
		SO_2	0.01	0.03
		NO_x	1.13	4.94
		CO	7.01	30.69
		VOC (6)	0.11	0.50
104A	Cooling Car Wet Cyclone Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
105A	Destoner Receiving Cyclone Vent	PM	0.24	0.83

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.24	0.83
107 and 108	07 and 08 SIG Baghouse Vents	PM	0.09	0.38
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.02	0.09
111	6 Cell Silo Caff 30K Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
112	Vert Caff 15K Receiving Bin Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
113	Coffee Bean Transfer 21K Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
114	Bosch No. 3 30K 1 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
118	RWB Receiving Bin Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
119	Rework Bin A Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
120	RWB Bin B Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
121	Rework Bin B Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
123	C-1 Caff 30K 3 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
124	Rework Caff 30K 4 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
125	Caff 15K 6 Baghouse Vent	PM	0.05	0.23

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.05	0.23
126	Coffee Bean Transfer 09 SIG Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
127, 128, and 129	10, 11, and 12 SIG Baghouse Vents	PM	0.05	0.23
		PM_{10}	0.05	0.23
130	Receiving Bin 1 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
131	Receiving Bin 2 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
132	Silo No. 2 Receiving Cyclone Vent	PM	0.59	12.08
		PM_{10}	0.59	12.08
133	Bad Bar Caff Silo Receiving Cyclone Vent	PM	0.59	12.08
		PM_{10}	0.59	12.08
134	Receiving Bin A Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
135	Receiving Bin B Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
136	Receiving Bin C Cyclone Vent	PM	0.59	12.08
		PM_{10}	0.59	12.08
147	Decaff Vert B1-D 15K Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
148	Decaff Vert 15K Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
149	Decaff 30K 5 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23

Emission Sources - Maximum Allowable Emission Rates

150	Cloud Decaff Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
154	3 lb Receiving Bin Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
155	Ribbon Blender Receiver Cyclone Vent	PM	0.03	0.13
		PM_{10}	0.03	0.13
156	Caff Surge Bin Baghouse Vent	PM	0.06	0.26
		PM_{10}	0.06	0.26
201	Green Bean Destoners Baghouse Vent	PM	1.11	4.88
		PM_{10}	1.11	4.88
202	Green Bean Destoners 1 Baghouse Vent	PM	1.11	4.88
		PM_{10}	1.11	4.88
203	Green Bean Polishers Baghouse Vent	PM	1.29	5.63
		PM_{10}	1.29	5.63
251	Green Bean Destoners 2 Baghouse Vent	PM	0.05	0.23
		PM_{10}	0.05	0.23
252	Green Bean Destoners 3 Baghouse Vent	PM	0.07	0.30
		PM_{10}	0.07	0.30
258	Link Belt Receiver 6 Cyclone Vent	PM	0.30	6.98
		PM_{10}	0.30	6.98
259	Link Belt Dryer Furnace 6 Cyclone Stack	PM	0.39	1.73
		PM_{10}	0.39	1.73
		$PM_{2.5}$	0.09	0.40
		SO_2	<0.01	0.03
		NO_x	0.50	2.17

Emission Sources - Maximum Allowable Emission Rates

		CO	0.83	3.64
		VOC	0.05	0.24
260	Aeroglide 6 Dryer Cyclone Stack	PM	3.00	13.13
		PM_{10}	3.00	13.13
261	Link Belt Receiver 2 Cyclone Vent	PM	0.32	1.40
		PM_{10}	0.32	1.40
262	Link Belt Dryer Furnace 2 Cyclone Stack	PM	0.39	1.73
		PM_{10}	0.39	1.73
		$PM_{2.5}$	0.09	0.40
		SO_2	<0.01	0.03
		NO_x	0.50	2.17
		CO	0.83	3.64
		VOC	0.05	0.24
263	Aeroglide 2 Dryer Cyclone Stack	PM	2.66	11.66
		PM_{10}	2.66	11.66
267	Bean Polishing Baghouse Stack	PM_{10}	0.34	1.43
302	Green Bean Cleaner Baghouse Vent	PM	0.86	3.75
		PM_{10}	0.86	3.75
100	Building Fugitives (includes Green Bean Receiving, Storage Bins 360 1A and 1B, Storage Bins 360 2A and 2B, Storage Bins 360 3A and 3B, Storage Bins 360 4A and 4B, Scales 264 and 265, and Storage Bin 266) (5)	PM	0.24	1.03
		PM_{10}	0.24	1.03
103 and 138	Isothermal Roasters 1, 2, and 3 RTO Stacks	HAPs	0.015	0.06
311	Area Vacuum System	PM	0.34	1.50

Emission Sources - Maximum Allowable Emission Rates

		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
		CO	2.73	11.94
		VOC	0.04	0.16
360A	Agglomerator Airveyour 5 Baghouse Stack	PM	0.20	0.87
		PM_{10}	0.20	0.87
363	Agglomerator 5 Scrubber Stack	PM	1.30	6.26
		PM_{10}	1.30	6.26

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	0.02
		NO_x	0.64	2.82
		CO	0.54	2.37
		VOC	0.03	0.15
360B	Agglomerator Airveyour 6 Baghouse Stack	PM	0.20	0.87
		PM_{10}	0.20	0.87
361	Agglomerator 6 Scrubber Stack	PM	1.30	6.26
		PM_{10}	1.30	6.26
		SO_2	<0.01	0.02
		NO_x	0.64	2.82
		CO	0.54	2.37
		VOC	0.03	0.15
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 (9)	12.36	--
		NO_x (10)	45.44	--

Emission Sources - Maximum Allowable Emission Rates

		NO_x (11)	--	199.03
		CO	7.21	31.58
		VOC	1.12	4.91
406	Building Fugitives (Includes Storage Bin Vents) (5)	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 § 106.264 (Registration No. 45721)				
122	Grinders 12A and 12B Baghouse	PM	0.18	0.78
		PM_{10}	0.18	0.78
PBR § 106.183 (Registration No. 37950)				
405	Boiler 7	PM	0.50	2.17
		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) (12)				
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) (12)				
15A-16A	MRG Southland Bins Baghouse	PM	0.17	0.75

Emission Sources - Maximum Allowable Emission Rates

		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 PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
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_2CHCHO - acrolein
CH_3CHO - acetaldehyde
CH_3COOH - acetic acid
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) These VOC emissions include HAP emissions.
(7) Only one emission source in this grouping (EPNs 14, 15, and 16) can operate at any given time.
(8) Only one emission source in this grouping (EPNs 17, 30, and 31) can operate at any given time.
(9) Hourly NO_x emissions limit based on firing of natural gas only.
(10) Hourly NO_x emissions limit based on firing of natural gas and coffee grounds/chaff.
(11) Annual NO_x emissions limit regardless of fuel fired (i.e., natural gas only or natural gas and coffee ground/chaff).
(12) SP is a Pollution Control Projects (PCP) SP.

Dated January 31, 2014