

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6178

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1	Roaster-Afterburner No. 1 4.10	VOC		0.93
		NO <sub>x</sub>	7.81	34.20
		SO <sub>x</sub>	2.01	8.81
		PM <sub>10</sub>	2.42	10.59
		CO	6.97	30.53
2	Stone-Cooler Scrubber	PM <sub>10</sub>	0.24	1.06
		CO	2.80	12.27
		VOC	1.97	8.62
9	Drying Tower Scrubber	VOC	0.04	0.15
		NO <sub>x</sub>	1.47	6.42
		SO <sub>2</sub>	0.01	0.03
		PM <sub>10</sub>	1.28	5.62
		CO	0.37	1.61
11	Granule Scrubber	PM <sub>10</sub>	4.97	21.76
12	Vapor Recovery, Carbon Adsorber	VOC	3.00	13.14
13	Boiler No. 1	VOC	1.00	4.34
		NO <sub>x</sub>	43.90	192.28
		SO <sub>2</sub>	15.00	65.70
		PM <sub>10</sub>	8.00	35.04
		CO	4.95	21.68
23	Microfines and Dryer Scrubber	PM <sub>10</sub>	2.17	9.49

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
24	Green Bean Filter	PM <sub>10</sub>	0.27	1.20
25	Whole Roast Filter	PM <sub>10</sub>	0.04	0.19
		CO	2.32	10.18
26	Granulized Filter	PM <sub>10</sub>	0.05	0.23
		CO	**	**
27	Dryer Cyclone	VOC	0.05	0.23
		PM <sub>10</sub>	1.06	4.64
28	Dry Bean Handling	PM <sub>10</sub>	0.10	0.45
30	Chilled Condenser	VOC	0.63	2.76
35	A. F. Dust Filter	PM <sub>10</sub>	0.69	3.00
36	Packing Dust Filter 1-45		PM <sub>10</sub>	0.03
	0.11	CO	**	**
37	Packing Dust Filter 2-45		PM <sub>10</sub>	0.17
	0.75	CO	**	**
40	Dryer Cooling Cyclone No. 2		VOC	0.05
	0.23	PM <sub>10</sub>	0.53	2.32
41	B. D. Dust Filter No. 2	PM <sub>10</sub>	0.10	0.45
42	Dryer Cooling Cyclone	VOC	0.05	0.23
		PM <sub>10</sub>	0.53	2.32
43	Green Bean Dust Filter	PM <sub>10</sub>	0.08	0.36

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44	Roaster-Afterburner No. 2 1.25	VOC	0.28	
		NO <sub>x</sub>	1.72	7.55
		SO <sub>x</sub>	0.72	3.17
		PM <sub>10</sub>	0.44	1.91
		CO	0.33	1.45
45	Roaster Cooler Cyclone	PM <sub>10</sub>	0.19	0.82
		CO	0.86	3.77
		VOC	0.65	2.87
46	Packing Dust Filter	PM <sub>10</sub>	0.04	0.19
		CO	1.07	4.67
47	Roaster Dust Filter	PM <sub>10</sub>	0.02	0.09
		CO	***	***
PS-1	C-63 Pilot Plant	PM <sub>10</sub>	0.01	0.05
VP-V38	Vacuum Pump Oil Demister <0.01	PM <sub>10</sub>		<0.01
		CO	0.01	0.05
		VOC	<0.01	0.01
FUG-BD	Bean Decaffeination Area (4) 18.77	VOC		4.29
		PM <sub>10</sub>	0.65	2.84
FUG-DX	Instant Direct Extraction 10.59 Area (4)	VOC		2.42
FUG-WWL	Waste Water Lagoons (4)	VOC	5.85	25.61

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- (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<sub>10</sub> - particulate matter less than 10 microns in diameter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>x</sub> - total oxides of sulfur  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day\_\_\_\_\_Days/week\_\_\_\_\_Weeks/year\_\_\_\_\_or Hrs/year 8,760

\*\* Combined maximum allowable CO emissions released from EPNs 25, 26, 36, and 37 will be as stated in EPN 25.

\*\*\* Combined maximum allowable CO emissions released from EPNs 46 and 47 will be as stated in EPN 46.

Dated \_\_\_\_\_