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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
1	Roaster-Afterburner No. 1	VOC	<0.01	0.01
		NO_x	1.40	6.13
		$S0_2$	<0.01	0.02
		PM_{10}	1.05	4.60
		CO	0.16	0.70
		CH_2CHCHO	0.02	0.09
		CH_3CHO	0.01	0.04
		CH_3COOH	0.14	0.61
2	Stone-Cooler Scrubber	PM_{10}	0.22	0.96
9	Drying Tower Scrubber	VOC	0.05	0.22
		NO_x	1.10	4.82
		SO_2	3.55	15.55
		PM_{10}	0.64	2.79
		CO	0.25	1.10
11	Granule Scrubber	PM_{10}	0.30	1.31
12	Vapor Rec., Carbon Ag.	VOC	3.00	13.14
13	Boiler No. 1	VOC	0.24	1.05
		NO_x	43.90	192.28
		SO_2	15.00	65.70
		PM_{10}	5.00	21.90
		CO	4.95	21.68
16	Fly Ash-Filter	PM_{10}	<0.01	0.01
19	Packing Cyclone	PM_{10}	0.20	0.88
23	Microfines and Dryer	PM_{10}	0.59	2.56

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
	Scrubber			
24	Green Bean Filter	PM_{10}	0.23	1.01
25	Whole Roast Filter	PM_{10}	0.10	0.42
26	Granulized Filter	PM_{10}	0.12	0.50
27	Dryer Cyclone	VOC	0.05	0.22
		PM_{10}	0.53	2.32
28	Dry Bean Handling	PM_{10}	0.08	0.35
29	Dust Conveying Filter	PM_{10}	0.11	0.48
30	Chilled Condenser	VOC	6.59	28.86
34	Packing Dust Filter	PM_{10}	0.04	0.18
35	A. F. Dust Filter	PM_{10}	0.16	0.70
36	Packing Dust Filter 1-45	PM_{10}	0.17	0.75
37	Packing Dust Filter 2-45	PM_{10}	0.17	0.75
39	Dryer Cyclone No. 2	VOC	0.05	0.23
		PM_{10}	0.53	2.32
40	Dryer Cooling Cyclone No. 2	VOC	0.03	0.11
		PM_{10}	0.13	0.58
41	B. D. Dust Filter No. 2	PM_{10}	0.05	0.22
42	Dryer Cooling Cyclone	VOC	0.03	0.11
		PM_{10}	0.13	0.58
43	Green Bean Dust Filter	PM_{10}	0.07	0.31
44	Roaster-Afterburner No. 2	VOC	<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
		NO_x	1.18	5.14
		SO_2	0.01	0.02
		PM_{10}	0.49	2.14
		CO	0.18	0.79
		CH_2CHCHO	0.09	0.39
		CH_3CHO	0.05	0.20
		CH_3COOH	0.12	0.53
45	Roaster Cooler Cyclone	PM_{10}	0.16	0.70
46	Packing Dust Filter	PM_{10}	0.05	0.19
47	Roaster Dust Filter	PM_{10}	0.02	0.09
FUG	Bean Decaffination Area (4)	VOC	2.00	8.76
		PM_{10}	0.62	2.72
FUG	Instant Direct Extraction Area (4)	VOC	1.05	4.60
FUG	Wastewater Lagoon (4)	VOC	5.44	23.83
	TOTAL	VOC	18.55	81.15
		NO_x	47.58	208.37
		SO_2	18.57	81.29
		PM_{10}	11.97	52.32
		CO	5.54	24.27
		CH_2CHCHO	0.11	0.48
		CH_3CHO	0.06	0.24
		CH_3COOH	0.26	1.14

(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_{10} - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
		CH_2CHCHO		- acrolein
		CH_3CHO	- acetaldehyde	
		CH_3COOH		- acetic acid

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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___

Dated_____