EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8221A

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	Bean Trash Cyclone Rec.	TSP	2.09	5.27
5	Bean Cleaner	TSP	0.29	0.714
6	Bean Storage	TSP	0.23	0.58
7A	Splits Transfer Dust Col.	TSP	0.13	0.501
7B	Splits Transfer Dust Col.	TSP	0.16	0.645
8	Splits Tank Dust Col.	TSP	0.16	0.645
9	Railcar Transfer Dust Col.	TSP	0.16	0.277
10	Screw Bin Dust Col.	TSP	0.40	1.008
12	Meal Storage	TSP	0.34	0.714
13	Meal Storage	TSP	0.34	0.714
14	Meal Storage	TSP	1.48	1.443
21	Splits Unloading	TSP	0.10	0.086
22	Storage	TSP	0.09	0.026
23	Storage	TSP	0.09	0.052
24	Tunnel Dust Col.	TSP	0.11	0.420
25	Storage	TSP	0.17	0.685

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
29	Mill and Screen	TSP	0.03	0.121
30	Mill and Screen	TSP	0.28	1.129
31	Rotary Furnace	TSP	0.11	0.444
32	Mill Cyclone (gf)	TSP	0.67	2.700
36	Milling and Screening	TSP	0.05	0.202
37	Bagging	TSP	0.67	0.174
38	Bagging	TSP	0.34	0.286
39	Mills	TSP	0.90	3.629
44	Rework St. Dust Col.	TSP	0.26	1.13
45	Rework St. Cyclone	TSP	0.006	0.03
47	Rework St. Dust Col.	TSP	0.25	1.010
49A	Storage Dust Col.	TSP	0.03	0.060
49B	Storage Dust Col.	TSP	0.03	0.060
50	Storage Dust Col.	TSP	0.03	0.060
51	Storage Dust Col.	TSP	0.03	0.060
52	Storage Dust Col.	TSP	0.03	0.060
53	Storage Dust Col.	TSP	0.03	0.060
54	Storage Dust Col.	TSP	0.03	0.060

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
55	Storage Dust Col.	TSP	0.03	0.060
56	Storage Dust Col.	TSP	0.03	0.060
57	Storage Dust Col.	TSP	0.03	0.060
58	Storage Dust Col.	TSP	0.03	0.060
59	Storage Dust Col.	TSP	0.03	0.060
60	Grinding Cyclone	TSP	1.36	5.484
		VOC	0.15	0.610
61	Recycle Mill	TSP	0.24	0.970
62	Gel Cyclone	TSP	0.05	0.202
63	Hydration Screw Vent	VOC	0.15	0.610
64	Splits Receiver	TSP	0.04	0.160
66	Transfer Dust Col.	TSP	0.01	0.040
67	Transfer Dust Col.	TSP	0.06	0.240
70	Splits Transfer	TSP	0.04	0.162
71	Splits Transfer	TSP	0.26	1.13
72	Holding and Transfer Screw	TSP	12.60	2.048
		VOC	8.63	37.696
73	Splits Cleaning Cyclone	TSP	0.012	0.06
80	Transfer Collector DC	TSP	0.02	0.080
81	Transfer Collector DC	TSP	0.02	0.080

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
82	Sifter Baghouse	TSP	0.03	0.120
87	Surge Conveyor Vent	VOC	2.87	12.536
88	Surge Conveyor Vent	VOC	4.88	21.316
89	Surge Conveyor Vent	VOC	2.58	11.284
92	Vacuum System Vent	VOC	7.42	32.411
124	Milling Cyclone and DC	TSP	0.80	3.220
127	Sifting	TSP	0.06	0.242
128	Hydration System Stack	TSP	0.48	1.940
		VOC	0.48	1.940
131	Milling Cyclone	TSP	1.05	4.150
		VOC	0.15	0.590
132	Milling Cyclone	TSP	1.32	5.210
		VOC	0.15	0.590
133	Milling Cyclone	TSP	0.80	3.160
		VOC	0.15	0.590
134	Milling Cyclone	TSP	1.05	4.150
		VOC	0.15	0.590
135	Sifter Feed Dust Col.	TSP	0.16	0.630
136	Sifter Feed Dust Col.	TSP	0.16	0.630
137	Sifter Product Receiver	TSP	0.07	0.280
138	Sifter Product Receiver	TSP	0.07	0.280

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
139A	Gel Transfer Unit	TSP	0.05	0.200
139B	Gel Transfer Unit	TSP	0.05	0.200
140	Weigh Bin (gf)	TSP	0.03	0.120
141	Storage Tanks (gf)	TSP	0.03	0.120
143	20 Blender (gf)	TSP	0.10	0.400
144	Oversize Headbin (gf)	TSP	0.10	0.240
145	89 Blender (gf)	TSP	0.36	1.450
146A	Bagging Filter	TSP	0.18	0.360
146B	Dump Station	TSP	0.18	0.360
152	Bagging	TSP	0.36	0.360
153	Storage Tank	TSP	0.01	0.040
154	Storage Tank	TSP	0.04	0.040
155	Storage Tank	TSP	0.21	0.840
		VOC	0.87	3.500
156	Storage Tank	TSP	1.20	2.880
157a-b	Blender	TSP	0.15	0.075
158	Vacuum Syst.	TSP	<0.01	0.010
160	Bin Vent	TSP	0.19	0.766
161	Bin Vent	TSP	0.50	2.010

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		VOC	15.00	1.360
162	Bin Vent	TSP	1.95	7.860
		VOC	15.00	1.360
163	Additive Acetic Acid	VOC	15.00	0.375
164	Head Bin	TSP	0.87	3.500
165	Storage Bin Vent	TSP	0.09	0.045
166	Storage Bin Vent	TSP	0.09	0.045
167	Storage Bin Vent	TSP	0.09	0.045
168	Storage Bin Vent	TSP	0.09	0.045
169	Storage Bin Vent	TSP	0.09	0.045
170	Storage Bin Vent	TSP	0.09	0.045
171	Storage Bin Vent	TSP	0.09	0.045
172	Storage Bin Vent	TSP	0.09	0.045
173	Bag Dump	TSP	0.12	0.240
176	Bagging Area Vacuum Sys.	TSP	0.02	0.010
180	a/b Bin Vent	TSP	0.25	1.000
181	Trans Unit	TSP	0.20	0.810
		VOC	15.37	4.220
184	Bin Vents	TSP	0.27	1.090
185	Bin Vents	TSP	0.27	1.090

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
186	Bin Vents	TSP	0.72	2.903
187	Bin Vents	TSP	0.72	2.903
188	Bin Vents	TSP	0.44	0.440
189	Bin Vents	TSP	0.22	0.111
190	Bin Vents	TSP	0.22	0.111
191	Bin Vents	TSP	0.22	0.111
192	Bin Vents	TSP	0.22	0.111
193	Bin Vents	TSP	0.22	0.111
194	Bin Vents	TSP	0.22	0.111
195	Bin Vents	TSP	0.22	0.111
196	Bin Vents	TSP	0.22	0.111
200	SMCA Mixer	VOC	0.15	0.660
202	Quat Storage	VOC	0.03	0.131
202B	Quat Storage	VOC	0.03	0.131
203	Boiler No. 3	VOC	0.65	1.500
		SO_2	0.01	0.020
		NO_x	2.80	12.180
		TSP	<0.01	0.020
		CO	0.70	3.045
204	Boiler No. 2	VOC	0.65	1.500
		SO_2	0.01	0.020

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		NO_x	2.80	12.180
		TSP	<0.01	0.020
		CO	0.70	3.045
206	Propane Storage	VOC	0.02	0.088
209	Flare	VOC	<0.01	<0.050
		SO_2	1.76	7.690
		NO_x	0.04	0.147
		CO	0.29	1.264
220	Milling V Transfer Unit	TSP	0.05	0.200
221	Milling V Transfer Unit	TSP	0.05	0.200
222	Milling V Cyclone	TSP	1.05	4.150
		VOC	0.15	0.590
223	Milling V Cyclone	TSP	1.05	4.150
		VOC	0.15	0.590
224	Milling V Cyclone	TSP	1.05	4.150
		VOC	0.15	0.590
225	Milling V Cyclone	TSP	1.05	4.150
		VOC	0.15	0.590
226	Milling V Collectors	TSP	0.07	0.280
227	Milling V Collectors	TSP	0.07	0.280
228	Milling V Rcvg. Cyclones	TSP	0.16	0.630
229	Milling V Rcvg. Cyclones	TSP	0.16	0.630
230	Milling V Recy. Collector	TSP	0.24	0.950

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
240	Bin Vent	TSP	0.22	0.887
241	Bin Vent	TSP	0.27	1.089
242	Bagging Station	TSP	0.87	3.508
243	Blender	TSP	0.52	2.097
244	Bag Dump Station	TSP	0.25	1.000
x-1039	Vacuum System	TSP	0.228	1.000
FP-104	Bean Proc. Fugitives (4)	TSP	0.228	1.000
FP-102	Plant Fugitives (4)	TSP	0.228	1.000
		VOC	0.457	2.000
V-1	Vacuum System Vent (4)	TSP	0.228	1.000

(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) TSP - total suspended particulate, including PM_{10}. Approximately 50 percent of the TSP from all sources under this permit is made up of PM_{10}.
PM_{10} - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

HOURS OF OPERATION	EMISSION POINT NUMBER (EPN)
50	163
325	72
520	37

HOURS OF OPERATION	EMISSION POINT NUMBER (EPN)
580	22
1000	157a-b, 165, 166, 167, 168, 169, 170, 171, 172, 176
1008	189, 190, 191, 192, 193, 194, 195, 196
1160	23
1680	38
1730	21
1950	14
2000	152, 154
2016	188
3456	9
4000	173
4032	146A, 146B, 158
4200	12, 13, 49A, 49B, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59
4800	144, 156
5000	5, 6
5040	2, 10
7896	131, 132, 133, 134, 135, 136, 137, 138, 139A, 139B, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230
8000	24
8008	7A, 7B
8050	164

8064	8, 25, 29, 30, 31, 32, 36, 39, 44, 45, 47, 60, 61, 62, 63, 64, 66, 67, 70, 71, 80, 81, 82, 87, 88, 89, 124, 127, 128, 140, 141, 143, 145, 155, 160, 161, 162, 180, 181, 184, 185, 186, 187, 240, 241, 242, 243, 244
8400	153
8700	203, 204
8736	92, 202, 206, 209
8760**	200

**Note: All fugitive sources and emission points not specifically identified may be operated continuously (8760 hours/year).

Dated_____