

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6806

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

<u>Emission Rates*</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>	
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
RE1	Truck Receiving Area No. 1	TSP PM <sub>10</sub>	10.80 5.40	5.94 2.97
RE2	Truck Receiving Area No. 2	TSP PM <sub>10</sub>	18.00 9.00	8.82 4.41
1	First Cut Linters Cyclone System	TSP PM <sub>10</sub>	2.03 1.02	8.89 4.45
2	First Cut Linters Cyclone System	TSP PM <sub>10</sub>	1.77 0.89	7.75 3.90
3	First Cut Linters Cyclone System	TSP PM <sub>10</sub>	1.77 0.89	7.75 3.90
4	First Cut Robbing Cyclone System	TSP PM <sub>10</sub>	0.53 0.27	2.32 1.18
5	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	1.77 0.89	7.75 3.90
6	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	2.01 1.01	8.80 4.42
7	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	1.77 0.89	7.75 3.90

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<u>Emission Rates*</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>	
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
8	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	2.01 1.01	8.80 4.42
9	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	1.77 0.89	7.75 3.90
10	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	2.01 1.01	8.80 4.42
11	Second Cut Linters Cyclone System	TSP PM <sub>10</sub>	2.01 1.01	8.80 4.42
12	Second Cut Robbing Cyclone System	TSP PM <sub>10</sub>	0.53 0.27	2.32 1.18
13	Second Cut Robbing Cyclone System	TSP PM <sub>10</sub>	0.53 0.27	2.32 1.18
14	Second Cut Robbing Cyclone System	TSP PM <sub>10</sub>	0.53 0.27	2.32 1.18
15	First Cut Relay Cyclone System	TSP PM <sub>10</sub>	0.53 0.27	2.32 1.18
16	Second Cut Relay Cyclone System	TSP PM <sub>10</sub>	1.46 0.73	6.39 3.20
17	First Cut Motes Pickup Cyclone System	TSP PM <sub>10</sub>	0.88 0.44	3.85 1.93
19	Rock and Shale Cyclone System	TSP PM <sub>10</sub>	1.67 0.84	7.31 3.68

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<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>	
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
20	Carver Seed Cleaner Cyclone System	TSP PM <sub>10</sub>	1.36 0.68	5.96 2.98
21	Carver Seed Cleaner Cyclone System	TSP PM <sub>10</sub>	1.36 0.68	5.96 2.98
22	Carver Seed Cleaner Cyclone System	TSP PM <sub>10</sub>	1.36 0.68	5.96 2.98
23	Carver Seed Cleaner Cyclone System	TSP PM <sub>10</sub>	1.36 0.68	5.96 2.98
34	Bauer Cleaner Cyclone System	TSP PM <sub>10</sub>	1.36 0.68	5.96 2.98
24	Bauer Robbing Cyclone System	TSP PM <sub>10</sub>	0.57 0.29	2.50 1.27
25	Hammer Mill Cyclone System	TSP PM <sub>10</sub>	0.86 0.43	3.77 1.88
26	Huller Shaker Cyclone System	TSP PM <sub>10</sub>	1.85 0.93	8.10 4.07
28	Purifier and Drum Beater Cyclone System	TSP PM <sub>10</sub>	1.36 0.68	5.96 2.98
29	Hull and Seed Separator Cyclone System	TSP PM <sub>10</sub>	0.69 0.35	3.02 1.53
30	Hull and Seed Separator	TSP	0.69	3.02

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<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>	
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
	Cyclone System	PM <sub>10</sub>	0.35	1.53
31	Hull and Seed Separator Cyclone System	TSP	0.69	3.02
		PM <sub>10</sub>	0.35	1.53
32	Hull and Seed Separator Cyclone System	TSP	0.69	3.02
		PM <sub>10</sub>	0.35	1.53
35	Hull and Seed Separator Cyclone System	TSP	0.69	3.02
		PM <sub>10</sub>	0.35	1.53
SP1	Main Extraction Vent	Hexane	17.48	75.76
SP2	Meal Drying Vent	Hexane	7.35	30.87
SP3	Fugitive Exhaust Vent	Hexane	3.41	14.33
SP4	Fugitive Exhaust Vent	Hexane	3.41	14.33
SP5	Fugitive Exhaust Vent	Hexane	3.41	14.33
SP6	Fugitive Exhaust Vent	Hexane	3.41	14.33
SP8	Solvent Sump	Hexane	1.05	4.41
SP9	Solvent Storage Exhaust	Hexane	1.05	4.41
SP10	Solvent Storage Exhaust	Hexane	1.05	4.41
ME1	Meal Pickup Bagfilter System		PM <sub>10</sub>	0.72
3.15				

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<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
ME2	Meal Dust Room Bagfilter System	PM <sub>10</sub>	0.21	0.92
L01	Truck Loadout No. 1	TSP PM <sub>10</sub>	6.75 3.38	4.12 2.06
L02	Truck Loadout No. 2	TSP PM <sub>10</sub>	4.50 2.25	0.13 0.06
L03	Truck Loadout No. 3	TSP PM <sub>10</sub>	4.50 2.25	2.82 1.41
L04	Truck Loadout No. 4	TSP PM <sub>10</sub>	4.50 2.28	0.06 0.03
SH4	Seed House No. 4	TSP PM <sub>10</sub>	0.56 0.28	0.56 0.28
SP1	Seed Pile No. 1	TSP PM <sub>10</sub>	33.75 16.88	16.88 8.44
B1	600-Hp Boiler	PM <sub>10</sub> NMOC NO <sub>x</sub> CO SO <sub>2</sub>	0.34 0.07 3.51 0.90 0.02	1.51 0.31 15.40 3.85 0.06

(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

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<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>	

or fugitive source name.

- (3) TSP - total suspended particulate matter, including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter less than 10 microns  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 NMOC - non-methane organic compounds

(\*) Refer to Special Condition No. 4 for throughput limitations and basis of emission rates.

Dated\_\_\_\_\_