

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9704

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
1	FEL to Hopper (4)	PM	0.82	1.71
		PM <sub>10</sub>	0.04	0.08
4	Conveyor to Hummer Screens (4)	PM	0.05	0.09
		PM <sub>10</sub>	0.03	0.05
5	Hammer Mill (4)	PM	0.35	0.73
		PM <sub>10</sub>	0.18	0.37
6	Conveyor, Oversized Return (4)	PM	0.02	0.03
		PM <sub>10</sub>	0.01	0.02
7	2 Hummer Screens (4)	PM	0.70	1.46
		PM <sub>10</sub>	0.35	0.73
8	Hummer Screens (4) Drop to Conveyor No. 41	PM	0.04	0.08
		PM <sub>10</sub>	0.02	0.04
9	Hummer Screens (4) Drop to Conveyor No. 11	PM	0.32	0.68
		PM <sub>10</sub>	0.15	0.31
11	Roller Mill (4)	PM	0.03	0.01
		PM <sub>10</sub>	0.02	0.01
12	Pile Formation in Building (4)	PM	0.48	1.01
		PM <sub>10</sub>	0.23	0.47
12a	Pile Loss From Building (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
19	Hammermill Baghouse	PM <sub>10</sub>	0.43	0.89
20a	FEL to Hopper No. 20 (4)	PM	0.40	1.02
		PM <sub>10</sub>	0.02	0.05
20b	Hopper to Conveyor (4)	PM	0.03	0.08
		PM <sub>10</sub>	0.02	0.05
21	Conveyor to Dryer No. 22 (4)	PM	0.05	0.13
		PM <sub>10</sub>	0.03	0.08
23	Dryer No. 22 to Conveyor No. 24 (4)	PM	0.03	0.06
		PM <sub>10</sub>	0.02	0.03
25	Conveyor No. 24 to Screens No. 44 and 26 (4)	PM	0.11	0.28
		PM <sub>10</sub>	0.06	0.14
26a	Hummer Screen (4)	PM <sub>10</sub>	0.08	0.19
26b	Screen No. 26A to Belt No. 45 (4)	PM	0.03	0.07
		PM <sub>10</sub>	0.02	0.04
27	Bucket Elevator (4)	PM	0.03	0.06
		PM <sub>10</sub>	0.02	0.04
28a	Bin Vent No. A (4)	PM <sub>10</sub>	0.01	0.03
28b	Bin Vent No. B (4)	PM <sub>10</sub>	0.01	0.03
28c	Bin Vent No. C (4)	PM <sub>10</sub>	0.01	0.03
36	Dryer No. 22 Baghouse	PM <sub>10</sub>	0.29	0.74
		NO <sub>x</sub>	0.40	1.02
		CO	0.08	0.21
		VOC	0.03	0.06
		SO <sub>2</sub>	0.12	0.30
		HF	0.75	1.94
37	Hammer Mill (4)	PM <sub>10</sub>	0.35	0.73

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
38	Drop From Screen No. 7 to Roller Mill No. 37 (4)	PM	0.22	0.46
		PM <sub>10</sub>	0.13	0.28
40	Conveyor No. 39 to Conveyor No. 40 (4)	PM	0.08	0.16
		PM <sub>10</sub>	0.05	0.10
42	Bin Vent (4)	PM <sub>10</sub>	0.03	0.05
43	Belt No. 43 to Truck or Bag (4)	PM	0.40	0.83
		PM <sub>10</sub>	0.20	0.41
44a	Hummer Screen (4)	PM <sub>10</sub>	0.08	0.19
44b	Screen No. 44a to Bucket Elevator No. 46 (4)	PM	0.05	0.13
		PM <sub>10</sub>	0.03	0.07
45	Screen No. 44a to Belt Conveyor No. 56 (4)	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.01
46	Bucket Elevator (4)	PM	0.02	0.04
		PM <sub>10</sub> 0.01	0.02	
47a	Bin Vent A (4)	PM <sub>10</sub>	0.01	0.02
47b	Bin Vent B (4)	PM <sub>10</sub>	0.01	0.02
47c	Bin Vent C (4)	PM <sub>10</sub>	0.01	0.02
48	Belt Conveyor	PM	0.01	0.01
		PM <sub>10</sub> 0.01	0.01	
54	Belt Conveyor No. 54 Drop to Bucket Elevator No. 46 (4)	PM	0.03	0.07
		PM <sub>10</sub>	0.02	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
55	Belt Conveyor No. 55 Drop to Bucket Elevator No. 27	PM	0.02	0.04
		PM <sub>10</sub>	0.01	0.02
57	Belt No. 57 Drop to Bag (4)	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.01
58a	Bin Vent No. A (4)	PM <sub>10</sub>	0.02	0.04
58b	Bin Vent No. B (4)	PM <sub>10</sub>	0.02	0.04
58c	Bin Vent No. C (4)	PM <sub>10</sub>	0.02	0.04
61	Conveyor No. 61 to Elevator (4)	PM	0.28	0.57
		PM <sub>10</sub>	0.14	0.29
62	Screen No. 63 Drop to Tube Conveyor No. 62 (4)	PM	0.02	0.04
		PM <sub>10</sub>	0.01	0.02
63	Hammer Screens (4)	PM <sub>10</sub>	0.24	0.49
64	Roller Mill (4)	PM <sub>10</sub>	0.24	0.49
65	Roller Mill (4)	PM <sub>10</sub>	0.24	0.49
66	FEL to Impact Mill No. 67 (4)	PM	0.82	0.33
		PM <sub>10</sub>	0.04	0.02
67	Impact Mill (4)	PM	0.29	0.12
		PM <sub>10</sub>	0.13	0.06
68	Drop From Mill No. 67 to to Dryer No. 69 (4)	PM	0.15	0.06
		PM <sub>10</sub>	0.09	0.04
70	Conveyor (4)	PM	0.05	0.01
		PM <sub>10</sub>	0.02	<0.01
71	Transfer Belt (70) to Conveyor	PM	0.05	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	Belt (72) (4)	PM <sub>10</sub>	0.02	<0.01
72	Pile Losses (4)	PM PM <sub>10</sub> 0.02	0.05 <0.01	0.01
73	Feed Hopper (4)	PM PM <sub>10</sub> 0.02	0.05 <0.01	0.01
74	Baghouse	PM <sub>10</sub>	0.30	0.63
75	Feed Hopper (4)	PM PM <sub>10</sub> 0.01	0.02 <0.01	<0.01
76	Bucket Elevator (4)	PM PM <sub>10</sub> 0.01	0.02 <0.01	<0.01
77	Bucket Elevator (4)	PM PM <sub>10</sub> 0.01	0.02 0.01	0.01
78	Conveyor to Elevator (77) (4)	PM PM <sub>10</sub> <0.01	0.01 <0.01	<0.01
78a	Conveyor (78) Discharge (4)	PM PM <sub>10</sub> <0.01	0.01 <0.01	<0.01
81	Cement Mixer (4)	PM PM <sub>10</sub> <0.01	<0.01 <0.01	<0.01
82	Conveyor (4)	PM PM <sub>10</sub> <0.01	<0.01 <0.01	<0.01
83	Hummer Screen (4)	PM PM <sub>10</sub> 0.01	0.02 <0.01	0.01
84	Screen (4)	PM PM <sub>10</sub> 0.01	0.02 <0.01	0.01

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85	Conveyor (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	
86	Bulk Sack Stand (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	
87	Hummer Screen (4)	PM	0.13	0.01
		PM <sub>10</sub>	<0.01	
88	Bulk Sack Stand (4)	PM	0.02	<0.01
		PM <sub>10</sub>	<0.01	
89	Rotary Dryer Baghouse	PM <sub>10</sub>	0.18	0.36
		NO <sub>x</sub>	1.40	0.18
		CO	0.19	0.03
		VOC	0.05	0.01
		SO <sub>2</sub>	<0.01	<0.01
		HF	0.08	0.20

(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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

HF - hydrogen fluoride

(4) Fugitive emissions are an estimate only.

\* Emission rates are based on and the facilities are limited by the following maximum production

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			lb/hr	TPY

rates:

14.5 tons per hour and 60,800 tons per year and 8,760 hours per year.

Dated \_\_\_\_\_