

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.

CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
1	FEL to Hopper (4)	PM	0.811	1.702
		PM10	0.035	0.073
2a	Jaw Crusher (4)	TSP	0.29	0.492
		PM10	0.13	0.221
2b	Jaw Crusher to Belt (4)	TSP	0.145	0.304
		PM10	0.087	0.182
5	Hammer Mill (4)	TSP	0.347	0.730
7	2 Hummer Screens (4)	PM10	0.347	0.730
8	Hummer Screens (4)	TSP	0.038	0.079
	Drop to Conveyor No. 41	PM10	0.017	0.036
9	Hummer Screens (4)	TSP	0.320	0.672
	Drop to Conveyor No. 11	PM10	0.148	0.310
12	Pile Formation in Building (4)	TSP	0.480	1.008
		PM10	0.221	0.465
12a	Pile Loss From Building (4)	TSP	0.012	0.053
		PM10	0.006	0.026
19	Hammermill Baghouse	PM10	0.422	0.886

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			lb/hr	TPY
20a	FEL to Hopper No. 20 (4)	TSP	0.392	1.013
		PM10	0.017	0.043
20b	Hopper to Conveyor (4)	TSP	0.030	0.077
		PM10	0.018	0.047
21	Conveyor to Dryer No. 22 (4)	TSP	0.050	0.129
		PM10	0.030	0.078
23	Dryer No. 22 to Conveyor No. 24 (4)	TSP	0.021	0.055
		PM10	0.011	0.028
25	Conveyor No. 24 to Screens No. 44 and 26 (4)	TSP	0.107	0.277
		PM10	0.054	0.139
26a	Hummer Screen (4)	PM10	0.072	0.185
26B	Screen No. 26A to Belt No. 45 (4)	TSP	0.024	0.061
		PM10	0.012	0.031
28a	Bin Vent No. A (4)	PM10	0.010	0.025
28b	Bin Vent No. B (4)	PM10	0.010	0.025
28c	Bin Vent No. C (4)	PM10	0.010	0.025
36	Dryer No. 22 Baghouse	PM10	0.429	0.726
		NOx	0.392	1.012
		CO	0.080	0.207
		VOC	0.021	0.054
		SO2	0.112	0.291
		HF	0.675	1.744
37	1993 Roller Mill (4)	PM10	0.347	0.730
38	Drop From Screen No. 7	TSP	0.217	0.456

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			lb/hr	TPY
	to Roller Mill No. 37 (4)	PM10	0.130	0.274
40	Conveyor No. 39 to Conveyor No. 40 (4)	TSP PM10	0.072 0.043	0.152 0.091
42	Bin Vent (4)	PM10	0.022	0.046
43	Belt No. 43 to Truck or Bag (4)	TSP PM10	0.391 0.195	0.821 0.41
44a	1993 Hummer Screen (4)	PM10	0.072	0.185
44b	Screen No. 44a to Bucket Elevator No. 46 (4)	TSP PM10	0.047 0.024	0.123 0.061
45	Screen No. 44a to Belt Conveyor No. 56 (4)	TSP PM10	0.010 0.004	0.020 0.010
47a	Bin Vent A (1993) (4)	PM10	0.007	0.017
47b	Bin Vent B (1993) (4)	PM10	0.007	0.017
47c	Bin Vent C (1993) (4)	PM10	0.007	0.017
54	Belt Conveyor No. 54 Drop to Bucket Elevator No. 46 (4)	TSP PM10	0.024 0.012	0.061 0.031
55	Belt Conveyor No. 55 Drop to Bucket Elevator No. 27	TSP PM10	0.012 0.006	0.031 0.015
57	Belt No. 57 Drop to Bag (4)	TSP PM10	0.010 0.004	0.020 0.010
58a	Bin Vent No. A (1993) (4)	PM10	0.013	0.034

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			lb/hr	TPY
58b	Bin Vent No. B (1993) (4)	PM10	0.013	0.034
58c	Bin Vent No. C (1993) (4)	PM10	0.013	0.034
61	Conveyor No. 61 to Truck (4)	TSP	0.271	0.569
		PM10	0.136	0.284
62	Screen No. 63 Drop to Tube Conveyor No. 62 (1993) (4)	TSP	0.017	0.036
		PM10	0.008	0.016
63	Hummer Screens (1993) (4)	PM10	0.232	0.486
64	Roller Mill (1993) (4)	PM10	0.232	0.486
65	Roller Mill (1993) (4)	PM10	0.232	0.486
66	FEL to Impact Mill No. 67 (4)	TSP	0.811	0.324
		PM10	0.035	0.014
67	Impact Mill (1993) (4)	TSP	0.290	0.116
		PM10	0.130	0.052
68	Drop From Mill No. 67 to to Dryer No. 69 (4)	TSP	0.145	0.058
		PM10	0.087	0.035
70	Pile Formation (1993) (4)	TSP	1.506	0.602
		PM10	0.695	0.278
70a	Pile Losses (1993) (4)	TSP	0.032	0.027
		PM10	0.015	0.013
	Plant Roads (4)	TSP		17.05
		PM10		8.53

72	1993 Rotary Dryer Baghouse	PM10	0.281	0.112
		NOx	0.875	0.350
		CO	0.179	0.072
		VOC	0.047	0.017
		SO2	0.013	0.032
		HF	0.075	0.194

- (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) PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
PM - total suspended particulate including PM₁₀
HF - hydrogen fluoride
- (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 production rates:

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