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, sources, and related activities. 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 (6)	
			lbs/hour	TPY (4)
1	Feed Hopper (5)	PM	0.82	1.71
		PM_{10}	0.04	0.08
		$PM_{2.5}$	0.04	0.08
4	Conveyor to Hummer Screens (5)	PM	0.05	0.09
		PM_{10}	0.03	0.05
		$PM_{2.5}$	0.03	0.05
5	Hammer Mill (5)	PM	0.35	0.73
		PM_{10}	0.18	0.37
		$PM_{2.5}$	0.18	0.37
6	Conveyor, Oversized Return (5)	PM	0.02	0.03
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
7	2 Hummer Screens (5)	PM	0.70	1.46
		PM_{10}	0.35	0.73
		$PM_{2.5}$	0.35	0.73
8	Hummer Screens Drop to Conveyor No. 41 (5)	PM	0.04	0.08
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
9	Hummer Screens Drop to Conveyor No. 11 (5)	PM	0.32	0.68
		PM_{10}	0.15	0.31
		$PM_{2.5}$	0.15	0.31
12	Pile Formation in Building (5)	PM	0.48	1.01
		PM_{10}	0.23	0.47
		$PM_{2.5}$	0.23	0.47
12a	Pile Loss From Building (5)	PM	0.02	0.06
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03

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19	Hammer Mill Baghouse Stack	PM	0.43	0.89
		PM_{10}	0.43	0.89
		$PM_{2.5}$	0.43	0.89
20a	Feed Hopper No. 20 (5)	PM	0.40	1.02
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05
20b	Hopper to Conveyor (5)	PM	0.03	0.08
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05
21	Conveyor to Dryer No. 22 (5)	PM	0.05	0.13
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.03	0.08
23	Dryer No. 22 to Conveyor No. 24 (5)	PM	0.03	0.06
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
25	Conveyor No. 24 to Screens Nos. 44 and 26 (5)	PM	0.11	0.28
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.02	0.14
26a	Hummer Screen (5)	PM	0.08	0.19
		PM_{10}	0.08	0.19
		$PM_{2.5}$	0.08	0.19
26b	Screen No. 26a to Conveyor No. 45 (5)	PM	0.03	0.07
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
27	Bucket Elevator (5)	PM	0.03	0.06
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
28a	Bin Vent No. A (5)	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
28b	Bin Vent No. B (5)	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03

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28c	Bin Vent No. C (5)	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
36	Dryer No. 22 Baghouse Stack	PM	0.29	0.74
		PM_{10}	0.29	0.74
		$PM_{2.5}$	0.29	0.74
		VOC	0.03	0.06
		NO_x	0.40	1.02
		SO_2	0.12	0.30
		CO	0.08	0.21
		HF	0.75	1.94
37	Hammer Mill (5)	PM	0.35	0.73
		PM_{10}	0.35	0.73
		$PM_{2.5}$	0.35	0.73
38	Drop From Screen No. 7 to Roller Mill No. 37 (5)	PM	0.22	0.46
		PM_{10}	0.13	0.28
		$PM_{2.5}$	0.13	0.28
40	Conveyor No. 39 to Conveyor No. 40 (5)	PM	0.08	0.16
		PM_{10}	0.05	0.10
		$PM_{2.5}$	0.05	0.10
44a	Hummer Screen (5)	PM	0.08	0.19
		PM_{10}	0.08	0.19
		$PM_{2.5}$	0.08	0.19
44b	Screen No. 44a to Bucket Elevator No. 46 (5)	PM	0.05	0.13
		PM_{10}	0.03	0.07
		$PM_{2.5}$	0.03	0.07
45	Screen No. 44a to Conveyor No. 56 (5)	PM	0.01	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
46	Bucket Elevator (5)	PM	0.02	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02

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47a	Bin Vent No. A (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
47b	Bin Vent No. B (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
47c	Bin Vent No. C (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
48	Belt Conveyor (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
54	Belt Conveyor No. 54 Drop to Bucket Elevator No. 46 (5)	PM	0.03	0.07
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
55	Belt Conveyor No. 55 Drop to Bucket Elevator No. 27 (5)	PM	0.02	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
57	Belt Conveyor No. 57 Drop to Bag (5)	PM	0.01	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
58a	Bin Vent No. A (5)	PM	0.02	0.04
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
58b	Bin Vent No. B (5)	PM	0.02	0.04
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
58c	Bin Vent No. C (5)	PM	0.02	0.04
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.02	0.04
62	Screen No. 63 Drop to Tube Conveyor No. 62 (5)	PM	0.02	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02

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63	Hammer Screens (5)	PM	0.24	0.49
		PM_{10}	0.24	0.49
		$PM_{2.5}$	0.24	0.49
65	Roller Mill (5)	PM	0.24	0.49
		PM_{10}	0.24	0.49
		$PM_{2.5}$	0.24	0.49
66	Impact Mill No. 67 Hopper (5)	PM	0.82	0.33
		PM_{10}	0.04	0.02
		$PM_{2.5}$	0.04	0.02
67	Impact Mill (5)	PM	0.29	0.12
		PM_{10}	0.13	0.06
		$PM_{2.5}$	0.13	0.06
68	Drop From Mill No. 67 to Dryer No. 69 (5)	PM	0.15	0.06
		PM_{10}	0.09	0.04
		$PM_{2.5}$	0.09	0.04
70	Conveyor (5)	PM	0.05	0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	0.02	<0.01
71	Transfer From Conveyor Belt No. 70 to Conveyor Belt No. 72 No. 69 (5)	PM	0.05	0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	0.02	<0.01
72	Stockpile Losses (5)	PM	0.05	0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	0.02	<0.01
73	Feed Hopper (5)	PM	0.05	0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	0.02	<0.01
74	Tyler Hummer Screen, Bucket Elevator, and Storage Bins Baghouse Stack	PM	0.30	0.63
		PM_{10}	0.30	0.63
		$PM_{2.5}$	0.30	0.63
77	Bucket Elevator (5)	PM	0.02	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

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78	Conveyor to Elevator No. 77 (5)	PM	0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
78a	Conveyor No. 78 Discharge (5)	PM	0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
81	Cement Mixer (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
82	Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
83	Hummer Screen (5)	PM	0.02	0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
84	Screen (5)	PM	0.02	0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
85	Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
86	Bulk Sack Stand (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
87	Hummer Screen (5)	PM	0.13	0.01
		PM_{10}	0.06	<0.01
		$PM_{2.5}$	0.06	<0.01
88	Bulk Sack Stand (5)	PM	0.02	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
89	Rotary Dryer Baghouse Stack	PM	0.29	0.74
		PM_{10}	0.29	0.74
		$PM_{2.5}$	0.29	0.74

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		VOC	0.03	0.06
		NO_x	0.40	1.02
		SO_2	0.12	0.30
		CO	0.08	0.21
		HF	0.08	0.20
90	Feed Hopper (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
91	Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
92	Pin Mixer (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
93	Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
94	Dyeing Line Dryer Vent	PM	0.29	0.74
		PM_{10}	0.29	0.74
		$PM_{2.5}$	0.29	0.74
		VOC	0.03	0.06
		NO_x	0.40	1.02
		SO_2	0.12	0.30
		CO	0.08	0.21
		HF	0.08	0.20
95	Conveyor (5)	PM	0.02	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
96	Screen (5)	PM	0.02	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
97	Conveyor (5)	PM	0.02	<0.01

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		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
98	Bulk Bag (5)	PM	0.02	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
99	Bulk Bag (5)	PM	0.02	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HF - hydrogen fluoride
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: April 2, 2013