Emission Sources - Maximum Allowable Emission Rates

Permit Number 34340

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)
01	Stucco Return Distribution Screw Dust Collector Stack	PM	0.16	0.71
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.09	0.37
02	Stucco Screw & E/W Stucco Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.06	0.26
03	Board Plant Landplaster Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.04	0.18
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.02	0.09
06	Molding Bins Dust Collector (2 units, 1 stack) Stack	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.07	0.31
07	Kettle No. 1 Combustion Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
08	Kettle No. 2 Combustion Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41

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09	Kettle No. 3 Combustion Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
10-13/16	Dryer Zone Nos. 1-4 and Wet End Seal Exhaust Stack	PM	6.49	28.43
		PM_{10}	6.44	28.21
		$PM_{2.5}$	5.42	23.73
		VOC	10.83	47.43
		NO_x	5.51	24.12
		SO_2	0.08	0.36
		CO	11.43	50.05
		Ethylene Glycol	0.32	1.38
		Formaldehyde	0.66	2.85
		Hexane	0.24	1.07
		Methanol	0.98	4.31
		Total HAPs	2.32	10.13
14	Electrostatic Precipitator Stack (Raymond Mills Nos. 1 and 2 and Kettle Nos. 1-3 Process Emissions) (7)	PM	5.40	23.66
		PM_{10}	5.13	22.46
		$PM_{2.5}$	3.01	13.19
		VOC	0.04	0.17
		NO_x	1.34	5.87
		SO_2	0.01	0.02
		CO	0.58	2.52
15	Board Plant/Bundler Dust Collector Stack	PM	0.28	1.24
		PM_{10}	0.28	1.24
		$PM_{2.5}$	0.15	0.65
20	Diesel Storage Tank A (21,000 gallon) (5)	VOC	0.13	0.01
21	Diesel Storage Tank B (270 gallon) (5)	VOC	0.01	0.01
22	Gasoline Storage Tank (5)	VOC	6.52	0.22
23	Motor Oil Storage Tank (5)	VOC	0.01	0.01

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24	Hydraulic Oil Storage Tank (5)	VOC	0.01	0.01
25	Transmission Fluid Storage Tank (5)	VOC	0.01	0.01
26	Parts Washer - Shop (5)	VOC	0.04	0.18
27	Dispersant Storage Tank (5)	VOC	0.02	0.01
BV01	Building Vent - Stucco Storage (5)	PM	0.37	1.49
		PM_{10}	0.37	1.49
		$PM_{2.5}$	0.19	0.78
BV02	Building Vent - Dry and Wet Additives and Wallboard Glue Application (5)	PM	0.08	0.36
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.02	0.11
		CO	0.01	0.01
		VOC	0.14	0.59
BV03	Building Vent - Printers on South Wallboard Line (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		CO	0.01	0.01
		VOC	8.94	39.15
		Ethylene Glycol	0.32	1.39
		Total HAPs	0.32	1.41
BV04	Building Vent - Printers and Parts Washer on North Wallboard Line (5)	VOC	0.15	0.64
BV05	Building Vent - Riser Machine (5)	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.09	0.39
FE01A	Uncrushed Rock Stockpile Fugitives (5)	PM	0.17	0.72
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.01	0.05
FE01B	Uncrushed Rock Transfer to Hopper Fugitives (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
FE01C	Crusher House Fugitives (5)	PM	0.37	1.16
		PM_{10}	0.13	0.28

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		$PM_{2.5}$	0.05	0.12
FE02	PC House Fugitives (5)	PM	0.16	0.25
		PM_{10}	0.06	0.06
		$PM_{2.5}$	0.02	0.02
FE03	Refuse Material Transfer and Loadout Fugitives (5)	PM	0.14	0.25
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.02	0.01
FE04	Material Transfer in Mill Building Fugitives (5)	PM	0.12	0.13
		PM_{10}	0.05	0.03
		$PM_{2.5}$	0.02	0.01
FE05	Transition Building Fugitives (5)	PM	0.09	0.25
		PM_{10}	0.03	0.06
		$PM_{2.5}$	0.01	0.02
FE06	Front-end Loader into Reclaim Hopper Fugitives (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
FE06A	Reclaim Hopper Vibratory Feeder Fugitives (5)	PM	0.09	0.12
		PM_{10}	0.03	0.03
		$PM_{2.5}$	0.01	0.01
FE10	The Dust Collector Chute Fugitives (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
FE13	Crushed Outdoor Stockpile Fugitives (5)	PM	0.15	0.64
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.01	0.05

(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 (30 TAC) § 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

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HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(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 as well as planned maintenance activities identified as part of the permit alteration request submitted on January 3, 2013.

(7) During startup of the electrostatic precipitator (EPN 14), the emission will be authorized by 30 TAC 106.263.

Date: DRAFT