EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7715

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)	Emission Rates lb/hr	Emission Rates TPY
1	Low Purity Storage (4) Stock Pile	PM	--	1.09
		PM_{10}	--	0.54
2	Secondary Crusher Baghouse Stack	PM/PM_{10}	0.69	3.00
3	No. 1 Raymond Mill Baghouse Stack	PM/PM_{10}	0.73	3.19
		SO_2	<0.01	0.01
		NO_x	0.25	1.10
		CO	0.21	0.92
		VOC	0.01	0.06
		Formaldehyde (5)	<0.01	<0.01
4	No. 2 Raymond Mill Baghouse Stack	PM/PM_{10}	0.73	3.19
		SO_2	<0.01	0.01
		NO_x	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.05
		Formaldehyde (5)	<0.01	<0.01
5	No. 3 Raymond Mill Baghouse Stack	PM/PM_{10}	1.03	4.51
		SO_2	<0.01	0.01
		NO_x	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.05
		Formaldehyde (5)	<0.01	<0.01
6	No. 4 Raymond Mill Baghouse Stack	PM/PM_{10}	0.86	3.75
		SO_2	<0.01	0.01
		NO_x	0.50	2.19
		CO	0.42	1.84
		VOC	0.03	0.12
		Formaldehyde (5)	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
6A	No. 5 Raymond Mill Baghouse Stack	PM/PM_{10}	0.77	3.38
		SO_2	<0.01	0.01
		NO_x	0.50	2.19
		CO	0.42	1.84
		VOC	0.03	0.12
		Formaldehyde (5)	<0.01	<0.01
6B	Williams Mill Baghouse Stack	PM/PM_{10}	1.05	4.59
		SO_2	<0.01	0.03
		NO_x	1.20	5.26
		CO	1.01	4.42
		VOC	0.07	0.29
		Formaldehyde (5)	<0.01	<0.01
7	No. 1 Calcining Kettle Baghouse Stack	PM/PM_{10}	0.60	2.63
		SO_2	<0.01	0.03
		NO_x	1.02	4.47
		CO	0.86	3.75
		VOC	0.06	0.25
		Formaldehyde (5)	<0.01	<0.01
7A	No. 2 Calcining Kettle Baghouse Stack	PM/PM_{10}	0.60	2.63
		SO_2	<0.01	0.03
		NO_x	1.20	5.26
		CO	1.01	4.42
		VOC	0.07	0.29
		Formaldehyde (5)	<0.01	<0.01
8	No. 3 Calcining Kettle Baghouse Stack	PM/PM_{10}	0.60	2.63
		SO_2	<0.01	0.03
		NO_x	1.20	5.26
		CO	1.01	4.42
		VOC	0.07	0.29
		Formaldehyde (5)	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
9	No. 4 Calcining Kettle Baghouse Stack	PM/PM_{10}	0.60	2.63
		SO_2	<0.01	0.03
		NO_x	1.20	5.26
		CO	1.01	4.42
		VOC	0.07	0.29
		Formaldehyde (5)	<0.01	<0.01
10	MBR Kettle Baghouse Stack	PM/PM_{10}	0.99	4.32
		SO_2	<0.01	0.04
		NO_x	1.50	6.57
		CO	1.26	5.52
		VOC	0.08	0.36
		Formaldehyde (5)	<0.01	<0.01
11	No. 6 Calcining Kettle Baghouse Stack	PM/PM_{10}	0.60	2.63
		SO_2	<0.01	0.03
		NO_x	1.20	5.26
		CO	1.01	4.42
		VOC	0.07	0.29
		Formaldehyde (5)	<0.01	<0.01
12	No. 7 Calcining Kettle Baghouse Stack	PM/PM_{10}	0.60	2.63
		SO_2	<0.01	0.03
		NO_x	1.02	4.47
		CO	0.86	3.75
		VOC	0.06	0.25
		Formaldehyde (5)	<0.01	<0.01
21	No. 2 Drying Kiln	PM/PM_{10}	8.93	15.65
		SO_2	0.03	0.12
		NO_x	4.20	18.40
		CO	3.53	15.45
		VOC	12.52	21.67
		Formaldehyde (5)	1.24	2.13
27	No. 2 Silo Baghouse Stack	PM/PM_{10}	0.26	1.13
28	No. 2 End Sawing Equipment	PM/PM_{10}	0.43	1.88

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
	Baghouse Stack			
31	Primary Crushing/Screening/ Unloading (4)	PM	0.11	0.47
		PM_{10}	0.05	0.22
40	Rock Loading (4) Stock Pile	PM	--	0.06
		PM_{10}	--	0.03
43	TY-SA-MAN Saw Baghouse Stack	PM/PM_{10}	0.26	1.13
47	Sluter Machine Baghouse Stack	PM/PM_{10}	0.51	2.25
59	Primary Storage Pile (4) Stock Pile	PM	--	0.30
		PM_{10}	--	0.15
60	High Purity Storage Pile (4) Stock Pile	PM	--	0.29
		PM_{10}	--	0.15
62	Calcined Gypsum Storage Baghouse Stack	PM/PM_{10}	0.44	1.93
63	HRA Ball Mill Baghouse Stack	PM/PM_{10}	0.03	0.12
63A	HRA System Fugitives (4)	PM/PM_{10}	0.02	0.09
63B	USG 95 Starch Silo	PM/PM_{10}	0.10	0.45
65	No. 3 End Sawing Equipment Baghouse Stack	PM/PM_{10}	0.86	3.75
66	No. 3 Drying Kiln	PM/PM_{10}	34.41	31.68
		SO_2	0.10	0.42
		NO_x	14.60	63.95
		CO	12.26	53.72
		VOC	48.25	43.26
		Formaldehyde (5)	4.75	4.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
74	Plant Gasoline Tank (1,000 Gallon Capacity)	VOC	0.04	0.18
67	Stucco System Baghouse Stack	PM/PM_{10}	0.43	1.88
69	Plant LPG Tank (1,000 Gallon Capacity)	VOC	<0.01	<0.01
70	Plant Diesel Tank (1,000 Gallon Capacity)	VOC	<0.01	<0.01
71	Quarry Gasoline Tank (1,000 Gallon Capacity)	VOC	0.05	0.22
72	Quarry Small Diesel Tank	VOC	<0.01	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - 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.
SO_2 - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(4) Fugitive emissions are an estimate only.
(5) The combination of all Hazardous Air Pollutants (HAPs) shall not exceed 25 tons per year (tpy) and the facility shall emit less than 10 tpy of a single HAP.

Dated March 7, 2008