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	TPY
01	Low Purity Storage (4) Stock Pile	PM	--	1.09
		PM_{10}	--	0.54
02	Secondary Crusher Baghouse Stack	PM/PM_{10}	0.69	3.00
03	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
04	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
05	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
06	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
06A	No. 5 Raymond Mill	PM/PM_{10}	0.77	3.38

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Baghouse Stack	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
06B	Williams Mill	PM/PM_{10}	1.05	4.59
	Baghouse Stack	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
07	No. 1 Calcining Kettle	PM/PM_{10}	0.60	2.63
	Baghouse Stack	SO_2	<0.01	0.04
		NO_x	1.32	5.78
		CO	1.11	4.86
		VOC	0.07	0.32
		Formaldehyde (5)	<0.01	<0.01
07A	No. 2 Calcining Kettle	PM/PM_{10}	0.60	2.63
	Baghouse Stack	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
08	No. 3 Calcining Kettle	PM/PM_{10}	0.60	2.63
	Baghouse Stack	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
09	No. 4 Calcining Kettle	PM/PM_{10}	0.60	2.63
	Baghouse Stack	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	PM/PM_{10}	0.99	4.32
	Baghouse Stack	SO_2	<0.01	0.04
		NO_x	1.50	6.57

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
		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}	0.94	4.13
		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	0.04
		NO_x	1.32	5.78
		CO	1.11	4.86
		VOC	0.07	0.32
		Formaldehyde (5)	<0.01	<0.01
21	No. 2 Drying Kiln	PM/PM_{10}	12.07	11.65
		SO_2	0.03	0.12
		NO_x	4.20	18.40
		CO	3.53	15.45
		VOC	23.86	18.79
		Formaldehyde (5)	3.55	2.35
27	No. 2 Silo Baghouse Stack	PM/PM_{10}	0.26	1.13
28	No. 2 End Sawing Equipment Baghouse Stack	PM/PM_{10}	0.43	1.88
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
60	Gypsum Storage Pile (4)	PM	0.07	0.29
		PM_{10}	0.03	0.14
62	Calcined Gypsum Storage Silo Dust Collector Stack	PM/PM_{10}	0.44	1.93
63A	No. 1 Ball Mill/HRA System (4) Fugitives	PM/PM_{10}	0.01	0.06
63B	Starch Silo Dust Collector Stack	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}	34.00	34.00
		SO_2	0.10	0.42
		NO_x	14.60	63.95
		CO	12.26	53.72
		VOC	54.15	54.15
		Formaldehyde (5)	6.75	6.75
67	Stucco Dry Additives System Dust Collector 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 (300 Gallon Capacity)	VOC	<0.01	<0.01
73	Quarry Bulk Diesel Tank (15,200 Gallon Capacity)	VOC	<0.01	<0.01
74	Plant Gasoline Tank (1000 Gallon Capacity)	VOC	<0.01	0.18
75	No. 2 HRA Ball Mill	PM/PM10	0.09	0.38
76	No. 2 Ball Mill Landplaster	PM/PM_{10}	0.05	0.23

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
	Bin Dust Collector Stack			
77	USG-95 Starch Bulk Hopper Dust Collector Stack	PM/PM_{10}	0.04	0.19
78	USG-95 Starch Bulk Storage Silo Dust Collector Stack	PM/PM_{10}	0.10	0.45
79	Semi-Bulk Fly Ash Receiver Dust Collector Stack	PM/PM_{10}	0.03	0.13

(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.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
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 December 27, 2010