Sources - Maximum Allowable Emission Rates

Permit Number 52818

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	Calcium Carbonate Stockpiles (5)	PM	0.38	1.30
		PM_{10}	0.20	0.64
2	Jaw Crusher No. 1 (5)	PM	0.01	0.03
		PM_{10}	<0.01	0.01
3	Conveyor No. 1 (5)	PM	0.06	0.08
		PM_{10}	0.03	0.04
4	Transfer Point No. 1 (5)	PM	<0.01	0.08
		PM_{10}	<0.01	<0.01
6	Conveyor No. 2 (5)	PM	0.06	0.08
		PM_{10}	0.03	0.04
7	Transfer Point No. 2 (5)	PM	<0.01	0.08
		PM_{10}	<0.01	<0.01
8	Conveyor No. 3 (5)	PM	0.06	0.08
		PM_{10}	0.03	0.04
9	Transfer Point No. 3 (5)	PM	<0.01	0.08
		PM_{10}	<0.01	<0.01
10	Conveyor No. 4 (5)	PM	0.04	0.02
		PM_{10}	0.02	0.01
11	Crude Ore Storage No. 1 Baghouse Stack	PM	0.07	0.30
		PM_{10}	0.07	0.30
12	All Barite Roller Mill/Flash Heater Baghouse Stack	PM	0.57	2.48
		PM_{10}	0.57	2.48
		NO_x	0.18	0.79
		CO	0.41	1.80
		VOC	0.03	0.12
		SO_2	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

13	Crude Ore Storage No. 2 Baghouse Stack	PM	0.23	0.99
		PM_{10}	0.23	0.99
14	Pebble Mill Classifier Baghouse Stack	PM	0.97	4.25
		PM_{10}	0.97	4.25
15	7 Micron Silo No. 1 Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
16	7 Micron Silo No. 2 Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
17	5 Micron Silo Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
18	3 Micron Silo No. 1 Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
19	Truck Loadout Silo No. 1 Baghouse Stack	PM	0.21	0.93
		PM_{10}	0.21	0.93
20	Truck Loadout Silo No. 2 Baghouse Stack	PM	0.21	0.93
		PM_{10}	0.21	0.93
22	3 Micron Silo/Packing Station Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
23	Bagging Station No. 1 Silo Baghouse Stack	PM	0.18	0.81
		PM_{10}	0.18	0.81
25	5 Micron Silo No. 2 Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
26	3 Micron Silo No. 2 Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
27	3 Micron Silo No. 3 Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
28	Conveyor No. 5 (5)	PM	0.04	0.05
		PM_{10}	0.02	0.02
29	Crude Ore Storage Silo No. 3 Baghouse Stack	PM	0.07	0.30
		PM_{10}	0.07	0.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
30	Barite/Buff Calcium Carbonate Roller Mill/Heater Baghouse Stack	PM	0.57	2.48
		PM_{10}	0.57	2.48
		NO_x	0.18	0.79
		CO	0.41	1.80
		VOC	0.03	0.12
		SO_2	<0.01	0.01
31	Truck Loadout Silo No. 3 Baghouse Stack	PM	0.21	0.93
		PM_{10}	0.21	0.93
32	Truck Loadout Silo No. 4 Baghouse Stack	PM	0.21	0.93
		PM_{10}	0.21	0.93
34	Bagging Station No. 2 Silo Baghouse Stack	PM	0.18	0.81
		PM_{10}	0.18	0.81
35	Classifier Silos Nos. 2 and 3 baghouse Stack	PM	0.91	3.96
		PM_{10}	0.91	3.96
36	Barite Stockpile (5)	PM	-.-	1.63
		PM_{10}	-.-	0.82
37	Jaw Crusher No. 2 (5)	PM	0.01	0.02
		PM_{10}	<0.01	0.01
39	Conveyor No. 6 (5)	PM	0.04	0.05
		PM_{10}	0.02	0.02
40	Transfer Point No. 4 (5)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
41	Conveyor No. 7 (5)	PM	0.04	0.05
		PM_{10}	0.02	0.02
42	Transfer Point No. 5 (5)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
43	Conveyor No. 8 (5)	PM	0.04	0.05
		PM_{10}	0.02	0.02
44	Crude Ore Storage Silo No. 4 Baghouse Stack	PM	0.07	0.30
		PM_{10}	0.07	0.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
45	All White Roller Mill/Flash Heater Baghouse Stack	PM	0.57	2.48
		PM_{10}	0.57	2.48
		NO_x	0.18	0.79
		CO	0.41	1.80
		VOC	0.03	0.12
		SO_2	<0.01	0.01
49	5 Micron Silo No. 2 Loadout Baghouse Stack	PM	0.14	0.59
		PM_{10}	0.14	0.59
50	3 Micron Silo No. 2 Loadout Baghouse Stack	PM	0.14	0.59
		PM_{10}	0.14	0.59
51	3 Micron Silo No. 3 Loadout Baghouse Stack	PM	0.14	0.59
		PM_{10}	0.14	0.59
52	Truck Loadout No. 3 Loadout Baghouse Stack	PM	0.12	0.55
		PM_{10}	0.12	0.55
53	Truck Loadout No. 4 Loadout Baghouse Stack	PM	0.12	0.55
		PM_{10}	0.12	0.55
54	Truck Loadout No. 1 Loadout Baghouse Stack	PM	0.12	0.55
		PM_{10}	0.12	0.55
55	Truck Loadout No. 2 Loadout Baghouse Stack	PM	0.12	0.55
		PM_{10}	0.12	0.55
56	Bagging Station No. 4 Baghouse Stack	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
57	Railcar Loadout Silo Baghouse Stack	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
58	Roller Mill System Line 4 Baghouse Stack	PM	0.69	3.00
		PM_{10}	0.69	3.00
		NO_x	0.50	2.19
		CO	0.84	3.68
		VOC	0.06	0.24
		SO_2	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
59	Conveyor No. 9 (Line 4) (5)	PM	0.02	0.06
		PM_{10}	0.01	0.03
60	Crude Ore Storage Baghouse Stack (Line 4)	PM	0.07	0.30
		PM_{10}	0.07	0.30
66	Bag Dump, Existing Packing Baghouse Stack	PM	0.01	0.05
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
67	Bagging Silo No. 5 Baghouse Stack	PM	0.19	0.84
		PM_{10}	0.19	0.84
		$PM_{2.5}$	0.19	0.84
68	Existing packing Baghouse Stack	PM	0.05	0.22
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
69	Robot Palletizer Baghouse Stack	PM	0.17	0.73
		PM_{10}	0.17	0.73
		$PM_{2.5}$	0.17	0.73
70	Bag Dump, Palletizer Baghouse Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	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) 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
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_2 - sulfur dioxide
(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: February 15, 2013