Emission Sources - Maximum Allowable Emission Rates

Permit Number 77337

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 (5)	
			lbs/hour	TPY*
STOCKFUG	Ore Stockpile (4)	PM	-.-	0.39
		PM_{10}	-.-	0.16
GRZLYFUG	Ore Grizzly (4)	PM	0.09	0.39
		PM_{10}	0.04	0.16
OREBIN	Main Ore Bin (4)	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
SANDDRY	Sand Drying Fugitives (4)	PM	1.77	7.75
		PM_{10}	0.10	0.44
STRSTCK1	Starnell Dryer We Scrubber Stack	NO_x	2.70	11.83
		CO	2.27	9.94
		SO_2	0.02	0.09
		VOC	0.15	0.66
		PM	16.60	72.71
		PM_{10}	6.43	28.16
SANDCON	Sand Conveying Fugitives (4)	PM	2.30	10.07
		PM_{10}	0.10	0.44
SANDLOAD	Sand Loading Fugitives (4)	PM	0.02	0.09
		PM_{10}	0.01	0.04
CLAYSTOR	Clay Storage Fugitives (4)	PM	0.03	0.14
		PM_{10}	0.01	0.06

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CLAYLOAD	Clay Loading Fugitives (4)	PM	0.18	0.79
		PM_{10}	0.07	0.31
SDSTACK1	Spray Dryer No. 1 Wet Scrubber Stack	NO_x	6.83	29.92
		CO	5.74	25.14
		SO_2	0.04	0.18
		VOC	0.38	0.84
		PM	20.00	87.60
		PM_{10}	20.00	87.60
SDSTACK2	Spray Dryer No. 2 Wet Scrubber Stack	NO_x	6.83	29.92
		CO	5.74	25.14
		SO_2	0.04	0.18
		VOC	0.38	0.84
		PM	33.00	144.54
		PM_{10}	33.00	144.54
CLAYMILL	Reitz Mills Roof Vent Fugitives (4)	PM	0.24	1.05
		PM_{10}	0.10	0.44
SILOSTCK	Clay Silos 1A, 1B, and 1C Baghouse Stack	PM	1.29	5.65
		PM_{10}	1.29	5.65
CLAYPULV	Clay Pulverizing Fugitives (4)	PM	0.18	0.79
		PM_{10}	0.07	0.31
BAUER5	Bauer Mill Fugitives (4)	PM	0.10	0.44
		PM_{10}	0.04	0.18
CALSTCK1	Calcine Furnace Baghouse Stack	NO_x	1.98	8.67
		CO	1.66	7.27

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		SO_2	0.04	0.18
		VOC	0.11	0.43
		PM	2.50	10.95
		PM_{10}	2.50	10.95
IB255STK	Silo 5A and 5B Baghouse Stack	PM	0.56	2.44
		PM_{10}	0.56	2.44
MICROST1	Clay Silo 6A Baghouse Stack	PM	0.17	0.74
		PM_{10}	0.17	0.74
MICROST2	Clay Silo 6B Baghouse Stack	PM	0.17	0.74
		PM_{10}	0.17	0.74
MICROST3	Clay Silo 6A and 6B Baghouse Stack	PM	0.17	0.74
		PM_{10}	0.17	0.74
TORITSTK	Bagging Machines A, B, and Bulk Baghouse Stack	PM	0.43	1.88
		PM_{10}	0.43	1.88
FARR01	Hydrous bagging Machine D Baghouse Stack	PM	0.43	1.88
		PM_{10}	0.43	1.88
MIKROPUL	Load Bin K and L, Silos K1, K2, and L1 Baghouse Stack	PM	0.13	0.56
		PM_{10}	0.13	0.56
FARRSTCK	Load Bins E and F, Silos E1, E2, and F1 Baghouse Stack	PM	0.51	2.25
		PM_{10}	0.51	2.25

(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

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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

(4) Fugitive emissions are an estimate only.
(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and throughput rates:

24 Hrs/day 7 Days/week 52 Weeks/year

150 tons/hour and 876,000 tons/year of sand and clay

Date: February 11, 2013