Emission Sources - Maximum Allowable Emission Rates

Permit Number 9009

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	Kiln No.1 Baghouse Stack (FIN 2500)	PM	3.68	16.11
		PM_{10}	3.68	16.11
		$PM_{2.5}$	1.80	7.89
		VOC	0.56	2.50
		NO_x	9.10	39.86
		SO_2	1.43	6.26
		CO	17.65	77.30
		HCl	2.24	9.83
3C	Kiln No. 1 Bin Vent Dust Collector Stack (FIN 2635)	PM	(7)	(7)
		PM_{10}	(7)	(7)
		$PM_{2.5}$	(7)	(7)
		VOC	(7)	(7)
		NO_x	(7)	(7)
		SO_2	(7)	(7)
		CO	(7)	(7)
		HCl	(7)	(7)
2B	Reject Stone Silo Baghouse Stack (FIN 2321)	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.02	0.09
2C	Kiln Stone Feed Hopper Baghouse Stack (FIN 2325)	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.02	0.09

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
2D	Product Feed Baghouse Stack (FIN 2620)	PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.04	0.18
3A	Product Silo Baghouse Stack (FIN 2644)	PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.04	0.18
3B	Product Load-Out Baghouse Stack (FIN 2651)	PM	0.14	0.62
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.07	0.30
4A	Product Screening Baghouse Stack (FIN 2626)	PM	0.14	0.62
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.07	0.30
6	Product Crusher Baghouse Stack (FIN 2616) (8)	PM (8)	0.13	0.56
		PM_{10} (8)	0.13	0.56
		$PM_{2.5}$ (8)	0.06	0.28
9A	Stockpiles (FIN PI-2310) (5)	PM	--	0.65
		PM_{10}	--	0.33
		$PM_{2.5}$	--	0.05
10	Mill Dust Collector Stack (FIN 006)	PM	0.39	1.71
		PM_{10}	0.39	1.71
		$PM_{2.5}$	0.19	0.84
11	Silo and Load Out Dust Collector Stack (FIN 2665)	PM	0.26	1.14
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.13	0.56

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
12	Milled Product Loading (Lime Silo) Fugitives (5) (FIN 2653)	PM	0.09	0.08
		PM_{10}	0.05	0.04
		$PM_{2.5}$	0.02	0.02
13	Product Silos Loading Fugitives (5) (FIN 2660)	PM	0.18	0.15
		PM_{10}	0.10	0.08
		$PM_{2.5}$	0.05	0.04
14	Rejected Stone Truck Loading Fugitives (5) (FIN 2323)	PM	0.03	0.02
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
DC-2684	Lime Product Roll Mill Crusher and Screw Conveyor Dust Collector Stack (FINs 2680, 2681, 2682, and 2683)	PM	0.08	0.29
		PM_{10}	0.08	0.29
		$PM_{2.5}$	0.04	0.14
SCR	Stone Feed Screen Fugitives (5) (FINs 2502 and 2503-1)	PM	0.31	1.36
		PM_{10}	0.11	0.48
		$PM_{2.5}$	0.02	0.09
2	Kiln No. 2 Baghouse Stack (FIN 2)	PM	4.17	18.25
		PM_{10}	4.17	18.25
		$PM_{2.5}$	2.04	8.94
		NO_x	9.63	42.16
		CO	17.88	78.29
		SO_2	1.25	5.48
		VOC	0.54	2.34
		HCl	2.20	9.64
DC02	Post-Kiln 2 Vibrating Feeder Dust Collector Stack (FINs KDVF1 and KDVF2)	PM	0.15	0.68
		PM_{10}	0.15	0.68
		$PM_{2.5}$	0.08	0.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
DC03	Lime Kiln Dust Bin Dust Collector Stack (FIN LKDDC)	PM	0.03	0.15
		PM_{10}	0.03	0.15
		$PM_{2.5}$	0.02	0.07
DC04	Transfer Tower, Elevator Bottom Dust Collector Stack (FIN DC04)	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.02	0.09
DC05	Lime Screening and Lime Crushers/ Transfer Tower Elevator Top Dust Collector Stack (FIN DC05)	PM	0.23	0.99
		PM_{10}	0.23	0.99
		$PM_{2.5}$	0.11	0.49
DC06	Silo, Bucket Elevator Bottom Dust Collector Stack (FIN DC06)	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.04	0.17
DC07	Silo Discharge to Belts Dust Collector Stack (FIN DC07)	PM	0.12	0.53
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.06	0.26
DC08	Lime Kiln Dust Loadout Spout Dust Collector Stack (FIN DC08)	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.03	0.11
DC09	Rail Silo Loadout Spout Dust Collector Stack (FIN DC09)	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.03	0.11
DC10	Belt Conveyor to Silo Dust Collector Stack (FIN DC10)	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.03	0.11
DC11	Silo Dust Collector Stack (FIN DC11)	PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.04	0.18

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
SCREEN	Vibrating Screens WS1 (Wet) and RS1 (Reject) (5) (FINs WS-1, RS-1)	PM	0.10	0.26
		PM_{10}	0.03	0.09
		$PM_{2.5}$	<0.01	<0.01
CONVEY	Belt Conveyors (5) (FINs BC-2, BC-2320)	PM	0.11	0.25
		PM_{10}	0.04	0.08
		$PM_{2.5}$	0.01	0.02
TRANSFER	Material Handling Transfer Points (5) (FIN TRANSFER)	PM	0.10	0.16
		PM_{10}	0.03	0.05
		$PM_{2.5}$	<0.01	0.01
STOCKPILES	Stockpiles 1, 2, and 3 (5) (FINs 1, 2, 3)	PM	--	0.98
		PM_{10}	--	0.49
		$PM_{2.5}$	--	0.07
BESHIPPING	Lime Handling – Shipping Dust Collector Stack (FIN BESHIPPING)	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.03	0.11
PRODLOADDC	Product Loading Dust Collector (FIN PRODLOADDC)	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.03	0.11
PRODLDFUG	Lime Kiln Run Silo Product Loading Fugitives (5) (FIN PRODLOAD)	PM	0.12	0.07
		PM_{10}	0.07	0.04
		$PM_{2.5}$	0.03	0.02
LKDLDFUG	Lime Kiln Dust Loading Fugitives (5) (FIN LKDLDFUG)	PM	0.02	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01

(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

Emission Sources - Maximum Allowable Emission Rates

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
HCl - hydrochloric acid

(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.
(7) Total emissions from the kiln and the dust collector exhausting at EPN 3C shall not exceed the values shown for the Kiln No. 1 Baghouse Stack (Emission Point Number [EPN] 1).
(8) Upon completion of construction of Dust Collector EPN DC05, Dust Collector EPN 6 shall be replaced by Dust Collector EPN DC05. EPN 6 shall no longer be authorized by this permit after EPN DC05 is operational.

Date: _____