

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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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
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

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		PM _{2.5}	0.05	0.04
14	Rejected Stone Truck Loading Fugitives (5) (FIN 2323)	PM	0.05	0.03
		PM ₁₀	0.02	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
4120-Db06	Post -Kiln 2 Vibrating Feeders Dust Collector Stack (FIN 4120-Db06)	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
4120-Db08	Post -Kiln 2 Vibrating Feeders Dust Collector Stack (FIN 4120-Db08)	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
4120-Db10	Startup and Reject Handling Dust Collector Stack (FIN 4120-Db10)	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
2420-Db18	Startup and Reject Handling Dust	PM	0.04	0.17

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		PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
3221-Db19	LKD Dust Collector Stack (FIN 3221-Db19)	PM	0.07	0.32
		PM ₁₀	0.07	0.32
		PM _{2.5}	0.04	0.15
4120-Db13	Transfer Tower, Bucket Elevator Dust Collector Stack (FIN 4120-Db13)	PM	0.13	0.58
		PM ₁₀	0.13	0.58
		PM _{2.5}	0.06	0.28
4120-Db62	Scalping Screen, Roll Crushers Dust Collector Stack (FIN 4120-Db62)	PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.05	0.22
6220-Db24	Silo Discharge to Re-Run Belt Dust Collector Stack (FIN 6220-Db24)	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
6220-Db22	Silo Discharge to Re-Run Belt Dust Collector Stack (FIN 6220-Db22)	PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
6220-Db13	Silo Discharge to Re-Run Belt Dust Collector Stack (FIN 6220-Db13)	PM	0.08	0.33
		PM ₁₀	0.08	0.33
		PM _{2.5}	0.04	0.16
6220-Db15	Product Loadout Spout Dust Collector Stack (FIN 6220-Db15)	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.04	0.18
4120-Db75	Roll Crusher, Product Handling Dust Collector Stack (FIN 4120-Db75)	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.04	0.19
4120-Db53	Product Silos Dust Collector Stack (FIN 4120-Db75)	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.04	0.18

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SCREEN	Reject Screen 2420-Cv12 (FIN 2420-CV12)	PM	0.05	0.18
		PM ₁₀	0.02	0.06
		PM _{2.5}	<0.01	<0.01
CONVEY	Belt Conveyors (5) (FINs BC-2320, 2320-Hb14)	PM	0.14	0.30
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.01	0.03
TRANSFER	Material Handling Transfer Points (5) (FIN TRANSFER)	PM	0.10	0.19
		PM ₁₀	0.03	0.07
		PM _{2.5}	<0.01	0.02
STOCKPILES	Stockpiles 1, 2, and 3 (5) (FINs PI-2310, 2320-Sx01, and 2320-Sx02)	PM	--	1.05
		PM ₁₀	--	0.52
		PM _{2.5}	--	0.08
PRODLDFUG	Lime Kiln Run Silo Product Loading Fugitives (5) (FIN PRODLLOAD)	PM	0.12	0.15
		PM ₁₀	0.07	0.08
		PM _{2.5}	0.03	0.04
OFFLDFUG	Startup and Reject Stone Loading (5) (FIN OFFLD)	PM	0.05	0.03
		PM ₁₀	0.02	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
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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 4120-Db62, Dust Collector EPN 6 shall be replaced by Dust Collector EPN 4120-Db62. EPN 6 shall no longer be authorized by this permit after EPN 4120-Db62 is operational.

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Date: August 20, 2020