Permit Numbers 4335A and PSDTX31M1

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 (4)	
			lbs/hour	TPY (5)
LK-1	Kiln No. 1 Scrubber	PM	27.92	122.00
	Stack	PM ₁₀	27.92	122.00
		PM _{2.5}	10.65	46.51
		VOC	0.29	1.28
		NO _x	100.00	438.00
		SO ₂	58.30	255.00
		СО	25.00	109.50
		H ₂ SO ₄	0.64	2.80
		HCI	0.81	3.50
		Dioxins/furans	2.86E-09	1.25E-08
		Pb	5.58E-04	2.44E-03
		Hg	1.88E-04	8.23E-04
		Ni	1.26E-02	5.49E-02
		V ₂ O ₅	3.35E-02	1.46E-01
LK-2 Kiln	Kiln No. 2 Stack	PM	8.77	38.42
		PM ₁₀	8.77	38.42
		PM _{2.5}	4.31	18.86
		VOC	0.58	2.56
		NO _x	125.00	547.5
		SO ₂ (6)	320.00	1100.00
		SO ₂	450.00	
		СО	50.00	219.00
		H ₂ SO ₄	0.87	3.83
		HCI	10.00	6.12

		Dioxins/furans	5.73E-09	2.51E-08
		Pb	5.88E-04	2.58E-03
		Hg	3.75E-04	1.64E-03
		V ₂ O ₅	0.1142	0.5002
		Cr	0.0010	0.0044
		NiO	0.0127	0.0556
	Kilns No. 1 and 2 Annual Cap	HCI		6.12
702	Hydrator Baghouse Stack	РМ	0.56	2.45
	Sidck	PM ₁₀	0.56	2.45
		PM _{2.5}	0.29	1.27
		VOC	0.01	0.05
		NO _x	0.22	0.95
		SO ₂	0.03	0.11
		СО	0.18	0.80
DC-8	1617 Crusher and	PM	0.21	0.94
	Conveyor Baghouse Stack	PM ₁₀	0.21	0.94
		PM _{2.5}	0.11	0.46
DC-9	1627 Screening and	PM	0.21	0.94
	Conveying Baghouse Stack	PM ₁₀	0.21	0.94
		PM _{2.5}	0.11	0.46
DC-10	Quicklime Loadout	РМ	0.60	1.75
	Baghouse Stack	PM ₁₀	0.60	1.75
		PM _{2.5}	0.29	0.86
DC-11	Quicklime Silos	PM	0.13	0.57
	Baghouse Stack	PM ₁₀	0.13	0.57
		PM _{2.5}	0.06	0.28
DC-12	515 Crusher	PM	0.21	0.94
	Baghouse Stack	PM ₁₀	0.21	0.94
		PM _{2.5}	0.11	0.46

Emission Sources - Maximum Allowable Emission Rates

DC-13	Blending / Crusher / Truck Loadout	PM	1.71	4.99
	Baghouse Stack	PM ₁₀	1.71	4.99
		PM _{2.5}	0.84	2.40
DC-15	720 Hydrator Air	PM	1.30	1.30
	Separator Baghouse	PM ₁₀	1.30	1.30
		PM _{2.5}	0.64	0.64
DC-16	Hydration Silo Vent Baghouse Stack	PM	0.09	0.09
	baynouse stack	PM ₁₀	0.09	0.09
		PM _{2.5}	0.04	0.04
DC-17	Silo Bin Vent Baghouse Stack	PM	0.04	0.04
	baynouse stack	PM ₁₀	0.04	0.04
		PM _{2.5}	0.02	0.02
DC-18	Hydrated Lime Truck	PM	0.02	0.01
	Loadout Baghouse Stack	PM ₁₀	0.02	0.01
		PM _{2.5}	0.01	< 0.01
DC-21	Cycal Loadout	PM	0.09	0.22
	Baghouse Stack	PM ₁₀	0.09	0.22
		PM _{2.5}	0.04	0.11
DC-22	Cycal Loadout Baghouse Stack	РМ	0.12	0.11
	bagnouse Stack	PM ₁₀	0.12	0.11
		PM _{2.5}	0.06	0.05
DC-23	Railcar Loading Baghouse Stack	РМ	0.21	0.86
	bagnouse stack	PM ₁₀	0.21	0.86
		PM _{2.5}	0.11	0.42
DC-24	Railcar Loading Baghouse Stack	PM	0.04	0.17
	DayHouse Stack	PM ₁₀	0.04	0.17
		PM _{2.5}	0.02	0.08
DC-29	Cycal Loadout baghouse Stack	PM	0.12	0.11
	baynouse stack	PM ₁₀	0.12	0.11

		PM _{2.5}	0.06	0.05
DC-30	Kiln Dust Bin	PM	0.12	0.53
		PM ₁₀	0.12	0.53
		PM _{2.5}	0.06	0.26
DC-31	Primary Truck	PM	0.19	0.83
	Loadout	PM ₁₀	0.19	0.83
		PM _{2.5}	0.09	0.41
DC-32	Secondary Truck Loadout	PM	0.19	0.83
	Loadout	PM ₁₀	0.19	0.83
		PM _{2.5}	0.09	0.41
DC-33	Hydrate Loadout Silo	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	< 0.01
DC-643	Dust Collector 643 Stack	PM	0.21	0.94
	Stack	PM ₁₀	0.21	0.94
		PM _{2.5}	0.11	0.46
DC-646	Dust Collector 646 Stack	PM	0.21	0.94
	Stack	PM ₁₀	0.21	0.94
		PM _{2.5}	0.11	0.46
REJSILO	Reject Stone Silo Baghouse Stack	PM	0.17	0.75
	DayHouse Stack	PM ₁₀	0.17	0.75
		PM _{2.5}	0.08	0.37
REJECT1	Reject Stone Stockpile	PM	0.04	0.15
	(7)	PM ₁₀	0.02	0.08
		PM _{2.5}	0.01	< 0.01
REJECT3	Reject Stone Stockpile	PM	0.31	1.40
	(7)	PM ₁₀	0.16	0.69
		PM _{2.5}	0.02	0.10
REJECT4	Reject Stone Stockpile	PM	0.08	0.36

		PM ₁₀	0.04	0.18
		PM _{2.5}	0.01	0.03
STOCK1	Stone Stockpile (7)	PM	0.19	0.82
	, ,	PM ₁₀	0.09	0.41
		PM _{2.5}	0.01	0.06
STOCK2	Stone Stockpile (7)	PM	0.12	0.53
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.01	0.04
CRUSH1	Primary Crusher (7)	PM	0.84	1.09
		PM ₁₀	0.41	0.54
		PM _{2.5}	0.08	0.10
SCREEN1	Primary Screen (7)	PM	0.19	0.24
		PM ₁₀	0.09	0.12
		PM _{2.5}	0.01	0.01
CRUSH2	Secondary Crusher	PM	0.26	0.21
	(7)	PM ₁₀	0.13	0.10
		PM _{2.5}	0.01	0.01
SCREEN2	Secondary Screen	РМ	0.45	1.61
		PM ₁₀	0.21	0.76
		PM _{2.5}	0.01	0.05
SCREEN3	Tertiary Screen	PM	0.45	1.61
		PM ₁₀	0.21	0.76
		PM _{2.5}	0.01	0.05
Fug-1	Limestone Handling	PM	0.17	0.33
	(7)	PM ₁₀	0.07	0.15
		PM _{2.5}	0.02	0.04
Cyc-1	Cycal Handling (7)	РМ	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	< 0.01	< 0.01

CC-1	Coke Crusher (7)	РМ	0.02	< 0.01
		PM ₁₀	0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
Fug-2, Fug-3	Coal/Coke Handling (7)	РМ	0.70	0.46
		PM ₁₀	0.33	0.22
		PM _{2.5}	0.05	0.03
Fug-2A, Fug-3A	Coal/Coke Stockpile (Rail and Plant Areas) (7)	РМ	0.56	2.47
		PM ₁₀	0.28	1.24
		PM _{2.5}	0.04	0.19
RCLSLOAD	Limestone Railcar Loading (7)	РМ	0.68	2.67
		PM ₁₀	0.34	1.33
		PM _{2.5}	0.05	0.20

(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

 $\begin{array}{cccc} \text{CO} & & - \text{ carbon monoxide} \\ \text{H}_2 \text{SO}_4 & & - \text{ sulfuric acid} \\ \text{HCI} & & - \text{ hydrochloric acid} \end{array}$

Pb - lead Hg - mercury Ni - nickel

V₂O₅ - vanadium pentoxide

Cr - chromium NiO - nickel oxide

- (4) Planned startup and shutdown emissions are included.
- (5) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (6) Compliance with the lb/hr emission rates for SO₂ is based on a 30 operating day rolling average.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date:	August 13 2021