### 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.	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
(1)			lbs/hour	TPY (5)
	Kiln No. 1 Scrubber	PM	27.92	122.00
	Stack	PM <sub>10</sub>	27.92	122.00
		PM <sub>2.5</sub>	10.65	46.51
		VOC	0.29	1.28
		NO <sub>x</sub>	100.00	438.00
		SO <sub>2</sub>	58.30	255.00
		СО	25.00	109.50
		H <sub>2</sub> SO <sub>4</sub>	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 <sub>2</sub> O <sub>5</sub>	3.35E-02	1.46E-01
LK-2	Kiln No. 2 Stack	PM	8.77	38.42
		PM <sub>10</sub>	8.77	38.42
		PM <sub>2.5</sub>	4.31	18.86
		VOC	0.58	2.56
		NO <sub>x</sub>	125.00	547.5
		SO <sub>2</sub> (6)	320.00	1100.00
		SO <sub>2</sub>	450.00	
		СО	50.00	219.00
		H <sub>2</sub> SO <sub>4</sub>	0.87	3.83
		HCI	10.00	43.80
		Dioxins/furans	5.73E-09	2.51E-08

		Pb	5.88E-04	2.58E-03
		Hg	3.75E-04	1.64E-03
		V <sub>2</sub> O <sub>5</sub>	0.1142	0.5002
		Cr	0.0010	0.0044
		NiO	0.0127	0.0556
702	Hydrator Baghouse	PM	0.56	2.45
	Stack	PM <sub>10</sub>	0.56	2.45
		PM <sub>2.5</sub>	0.29	1.27
		VOC	0.01	0.05
		NO <sub>x</sub>	0.22	0.95
		SO <sub>2</sub>	0.03	0.11
		СО	0.18	0.80
DC-8	1617 Crusher and	PM	0.21	0.94
	Conveyor Baghouse Stack	PM <sub>10</sub>	0.21	0.94
		PM <sub>2.5</sub>	0.11	0.46
DC-9	1627 Screening and	PM	0.21	0.94
	Conveying Baghouse Stack	PM <sub>10</sub>	0.21	0.94
		PM <sub>2.5</sub>	0.11	0.46
DC-10	Quicklime Loadout	PM	0.60	1.75
	Baghouse Stack	PM <sub>10</sub>	0.60	1.75
		PM <sub>2.5</sub>	0.29	0.86
DC-11	Quicklime Silos	PM	0.13	0.57
	Baghouse Stack	PM <sub>10</sub>	0.13	0.57
		PM <sub>2.5</sub>	0.06	0.28
DC-12	515 Crusher	PM	0.21	0.94
	Baghouse Stack	PM <sub>10</sub>	0.21	0.94
		PM <sub>2.5</sub>	0.11	0.46
DC-13	Blending / Crusher / Truck Loadout	PM	1.71	4.99
	Baghouse Stack	PM <sub>10</sub>	1.71	4.99

		PM <sub>2.5</sub>	0.84	2.40
DC-15	720 Hydrator Air	PM	1.30	1.30
	Separator Baghouse	PM <sub>10</sub>	1.30	1.30
		PM <sub>2.5</sub>	0.64	0.64
DC-16	Hydration Silo Vent	PM	0.09	0.09
	Baghouse Stack	PM <sub>10</sub>	0.09	0.09
		PM <sub>2.5</sub>	0.04	0.04
DC-17	Silo Bin Vent	PM	0.04	0.04
	Baghouse Stack	PM <sub>10</sub>	0.04	0.04
		PM <sub>2.5</sub>	0.02	0.02
DC-18	Hydrated Lime Truck	PM	0.02	0.01
	Loadout Baghouse Stack	PM <sub>10</sub>	0.02	0.01
		PM <sub>2.5</sub>	0.01	< 0.01
DC-21	Cycal Loadout	PM	0.09	0.22
	Baghouse Stack	PM <sub>10</sub>	0.09	0.22
		PM <sub>2.5</sub>	0.04	0.11
DC-22	Cycal Loadout	PM	0.12	0.11
	Baghouse Stack	PM <sub>10</sub>	0.12	0.11
		PM <sub>2.5</sub>	0.06	0.05
DC-23	Railcar Loading	PM	0.21	0.86
	Baghouse Stack	PM <sub>10</sub>	0.21	0.86
		PM <sub>2.5</sub>	0.11	0.42
DC-24	Railcar Loading	PM	0.04	0.17
	Baghouse Stack	PM <sub>10</sub>	0.04	0.17
		PM <sub>2.5</sub>	0.02	0.08
DC-29	Cycal Loadout	PM	0.12	0.11
	baghouse Stack	PM <sub>10</sub>	0.12	0.11
		PM <sub>2.5</sub>	0.06	0.05
DC-30	Kiln Dust Bin	PM	0.12	0.53

		PM <sub>10</sub>	0.12	0.53
		PM <sub>2.5</sub>	0.06	0.26
DC-31	Primary Truck	PM	0.19	0.83
	Loadout	PM <sub>10</sub>	0.19	0.83
		PM <sub>2.5</sub>	0.09	0.41
DC-32	Secondary Truck	PM	0.19	0.83
	Loadout	PM <sub>10</sub>	0.19	0.83
		PM <sub>2.5</sub>	0.09	0.41
DC-33	Hydrate Loadout Silo	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	< 0.01
DC-643	Dust Collector 643	PM	0.21	0.94
	Stack	PM <sub>10</sub>	0.21	0.94
		PM <sub>2.5</sub>	0.11	0.46
DC-646	Dust Collector 646	PM	0.21	0.94
	Stack	PM <sub>10</sub>	0.21	0.94
		PM <sub>2.5</sub>	0.11	0.46
REJSILO	Reject Stone Silo	PM	0.17	0.75
	Baghouse Stack	PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.08	0.37
REJECT1	Reject Stone Stockpile	PM	0.04	0.15
	(7)	PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.01	< 0.01
REJECT3	Reject Stone Stockpile	PM	0.31	1.40
	(7)	PM <sub>10</sub>	0.16	0.69
		PM <sub>2.5</sub>	0.02	0.10
REJECT4	Reject Stone Stockpile	PM	0.08	0.36
	(7)	PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

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

		PM <sub>2.5</sub>	< 0.01	< 0.01
	Fug-2, Fug-3 Coal/Coke Handling (7)	РМ	0.70	0.46
		PM <sub>10</sub>	0.33	0.22
		PM <sub>2.5</sub>	0.05	0.03
Fug-2A, Fug-3A	Coal/Coke Stockpile (Rail and Plant Areas)	РМ	0.56	2.47
(Raii (7)	,	PM <sub>10</sub>	0.28	1.24
		PM <sub>2.5</sub>	0.04	0.19
RCLSLOAD	RCLSLOAD Limestone Railcar Loading (7)	РМ	0.68	2.67
		PM <sub>10</sub>	0.34	1.33
		PM <sub>2.5</sub>	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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as

represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

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

Pb - lead Hg - mercury Ni - nickel

 $V_2O_5$  - 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:	May 26, 2017