EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 4335A and PSD-TX-31

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. 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 * lb/hr	TPY
LK-1	Kiln No. 1 Scrubber Stack	PM	27.92	122.00
		PM_{10}	27.92	122.00
		VOC	0.29	1.28
		NO_X	100.00	438.00
		SO_2	58.30	255.00
		CO	25.00	109.50
		H_2SO_4	0.64	2.80
	`	HCl	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_2O_5	3.35E-02	1.46E-01
LK-2A	Kiln No. 2 Scrubber Stack A	PM	14.70	64.40
		PM_{10}	14.70	64.40
		VOC	0.29	1.28
		NO_X	62.50	274.00
		SO_2	58.30	255.00
		CO	25.00	109.50
		H_2SO_4	0.44	1.90
		HCl	0.69	3.00
		Dioxins/furans	2.86E-09	1.25E-08
		Pb	2.94E-04	1.29E-03
		Hg	1.88E-04	8.23E-04
		Ni	6.62E-03	2.90E-02
		V_2O_5	1.76E-02	7.73E-02

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
LK-2B	Kiln No. 2 Scrubber Stack B	PM	14.70	64.40
		PM_{10}	14.70	64.40
		VOC 0.29	1.28	
		NO_X	62.50	274.00
		SO_2	58.30	255.00
		CO	25.00	109.50
		H_2SO_4	0.44	1.90
		HCl 0.69	3.00	
		Dioxins/furans	2.86E-09	1.25E-08
		Pb 2.94E-04	1.29E-03	
		Hg 1.88E-04	8.23E-04	
		Ni 6.62E-03	2.90E-02	
		V_2O_5 1.76E-02	7.73E-02	
702	Hydrator Baghouse Stack	PM	0.56	2.45
		PM_{10} 0.56	2.45	
		VOC 0.01	0.05	
		NO_X	0.22	0.95
		SO_2	0.03	0.11
		CO	0.18	0.80
DC-8	1617 Crusher and Conveyor Baghouse Stack	PM_{10}	0.21	0.94
DC-9	1627 Screening and Conveying Baghouse Stack	PM_{10}	0.21	0.94
DC-10	Quicklime Loadout Baghouse Stack	PM_{10}	0.60	1.75
DC-11	Quicklime Silos Baghouse Stack	PM_{10}	0.13	0.57
DC-12	515 Crusher Baghouse Stack	PM_{10}	0.21	0.94
DC-13	Blending/Truck Loadout Baghouse Stack	PM_{10}	1.71	4.99
DC-15	720 Hydrator Air Separator Baghouse	PM_{10}	1.30	1.30

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
DC-16	Hydration Silo Vent Baghouse Stack	PM_{10}	0.09	0.09
DC-17	Silo Bin Vent Baghouse Stack	PM_{10}	0.04	0.04
DC-18	Hydrated Lime Truck Loadout Baghouse Stack	PM_{10}	0.09	0.04
DC-21	Cycal Loadout Baghouse Stack	PM_{10}	0.09	0.22
DC-22	Cycal Loadout Baghouse Stack	PM_{10}	0.12	0.11
DC-23	Railcar Loading Baghouse Stack	PM_{10}	0.21	0.86
DC-24	Railcar Loading Baghouse Stack	PM_{10}	0.04	0.17
DC-29	Cycal Loadout baghouse Stack	PM_{10}	0.12	0.11
DC-643	Dust Collector 643 Stack	PM_{10}	0.21	0.94
DC-646	Dust Collector 646 Stack	PM_{10}	0.21	0.94
REJSILO	Reject Stone Silo Baghouse Stack	PM_{10}	0.17	0.75
REJECT1	Reject Stone Stockpile (4)	PM	-.-	0.15
		PM_{10} -.-	0.08	
REJECT3	Reject Stone Stockpile (4)	PM	-.-	1.40
		PM_{10} -.-	0.69	
REJECT4	Reject Stone Stockpile (4)	PM	-.-	0.36
		PM_{10} -.-	0.18	
STOCK1	Stone Stockpile (4)	PM	-.-	0.82
		PM_{10} -.-	0.41	

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
STOCK2	Stone Stockpile (4)	PM	-.-	0.53
		PM_{10}	-.-	0.26
CRUSH1	Primary Crusher (4)	PM	0.84	1.09
		PM_{10}	0.41	0.54
SCREEN1	Primary Screen (4)	PM	0.19	0.24
		PM_{10}	0.09	0.12
CRUSH2	Secondary Crusher (4)	PM	0.26	0.21
		PM_{10}	0.13	0.10
SCREEN2	Secondary Screen	PM	0.45	1.61
		PM_{10}	0.21	0.76
SCREEN3	Tertiary Screen	PM	0.45	1.61
		PM_{10}	0.21	0.76
Fug-1	Limestone Handling (4)	PM	0.17	0.33
		PM_{10}	0.07	0.15
Cyc-1	Cycal Handling (4)	PM	0.01	0.01
		PM_{10}	0.01	0.01
CC-1	Coke Crusher (4)	PM	0.02	<0.01
		PM_{10}	0.01	<0.01
Fug-2, Fug-3	Coal/Coke Handling (4)	PM	0.70	0.46
		PM_{10}	0.33	0.22
Fug-2A, Fug-3A	Coal/Coke Stockpile (4) (Rail and Plant Areas)	PM	-.-	2.47
		PM_{10}	-.-	1.24
RCLSLOAD	Limestone Railcar Loading (4)	PM	0.08	2.67
		PM_{10}	0.04	1.33

(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) PM - particulate matter , suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in 30 Texas Administrative Section 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
H_2SO_4 - sulfuric acid
HCl - hydrochloric acid
Pb - lead
Hg - mercury
Ni - nickel
V_2O_5 - vanadium pentoxide
(4) Fugitive emissions are an estimate only.

** Emission rates are based on and the facilities are limited by the following feed and production rates and operating schedule:

Stone feed:

	Tons/hour
Kiln No. 1	25
Kiln No. 2	50

Quicklime:

	Tons/hour	Tons/year
Kiln No. 1	12.5	109,500
Kiln No. 2	25	219,000

Hydrated Lime 15 Tons/hour 131,400 Tons/year (total)

Hrs/day____ Days/week_____ Weeks/year____ or Hrs/year 8,760

The following EPNs are currently authorized by this permit but have been previously authorized as follows:

EPN	Rule Reference	Authorization No.	
DC-643		PBR 106.144	41157
DC-646		PBR 106.144	41157
RCLSLOAD		PBR 106.261	41327
DC-13		PBR 106.144	45175
702	Standard Permit For Pollution Control Projects	56745	

Dated April 5, 2007