EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 7369 and PSD-TX-120M3

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 (3)	Air Contaminant Name (2)	Emission Rates * lb/hr	Name TPY
KS-1	Dry/Wet Kiln Exhaust (5)(7)(8)	PM (total)	193.53	847.85
		PM_{10} (total)	164.20	719.34
		NO_x	950.00	4161.00
		SO_2	2400.00	6299.42
		H_2SO_4	222.00	533.82
		CO	702.50	3076.55
		VOC	277.55	395.58
		HCl	4.64	20.50
KS-1a	Dry Kiln Exhaust Baghouse Duct (5)(6)(7)(8)	PM (filterable)	14.44	63.24
		PM_{10} (filterable)	12.13	53.12
		PM (total)	25.44	111.42
		PM_{10} (total)	21.37	93.59
		NO_x	350.00	1971.00
		SO_2	1200.00	366.58
		H_2SO_4	120.00	47.64
		CO	522.50	2288.55
		VOC	97.55	320.44
		HCl	2.74	12.00
9a	Alkali Bypass Baghouse Stack (6)	PM (filterable)	3.06	13.41
		PM_{10} (filterable)	2.57	11.27
		PM (total)	5.39	23.63
		PM_{10} (total)	4.53	19.85
		NO_x	150.00	219.00
		SO_2	360.00	676.84

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY
		H_2SO_4	18.00	33.84
		CO	100.00	438.00
		VOC	2.87	9.44
KS-1b	Wet Kiln Exhaust ESP(5)	PM (total)	162.70	712.80
		PM_{10} (total)	138.30	605.90
		NO_x	450.00	1971.00
		SO_2	1200.00	5256.00
		H_2SO_4	111.00	486.18
		CO	80.00	350.00
		VOC	15.00	65.70
		HCl	1.90	8.50
4	Solid Fuel Feed Bins Baghouse Stack	PM_{10}	0.09	0.38
7	Blend Silo Roof Baghouse Stack	PM_{10}	0.69	3.00
8	Dry Process Blend Tanks Bottom Baghouse Stack	PM_{10}	0.48	0.11
9b	Alkali Bypass Bin Baghouse Stack	PM_{10}	0.21	0.90
10	Coal/Coke Bins Baghouse Stack	PM_{10}	0.09	0.34
11	Dry System Clinker Cooler Baghouse Stack	PM_{10}	12.25	53.66
14	Underground Clinker Tunnel	PM_{10}	0.28	1.22

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Emission Point No. (1) *	Source Name (3)	Air Contaminant Name (2)	Emission Rates lb/hr	TPY
	Baghouse Stack			
25	Cement Silo No. 12 Baghouse	PM_{10}	0.69	3.00
26	Cement Silo No. 14 Baghouse	PM_{10}	0.34	1.50
31	Mill Baghouses Stack	PM_{10}	0.26	1.01
32	Fuel Bin Baghouse Stack	PM_{10}	0.59	2.33
33	Solid Fuel Fines Bin Baghouse Stack	PM_{10}	0.06	0.03
38	Fringe Material Baghouse Stack	PM_{10}	0.15	0.68
39	Turn Head Material Diverter Baghouse Stack	PM_{10}	0.26	1.01
40	Feed Tank Baghouse Stack	PM_{10}	0.15	0.68
41a	Separator Baghouse Stack (4)	PM_{10}	2.98	13.06
41b	Mill Baghouse Stack (4)	PM_{10}	1.20	5.26
F-B-1	Solid Fuel Drop to Bin	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-B-2	Solid Fuel Bin Drop to Conveyor 0.01	PM		<0.01
		PM_{10}	<0.01	<0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1) *	Source Name (3)	Air Contaminant Name (2)	Emission Rates lb/hr	TPY
F-B-3	Solid Fuel Conveyor Drop to Bins	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-B-4	Feed Tank Drop to Drag Chain	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-B-5	Drag Chain Drop to Belt	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-B-6	Belt Transfer Drop	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-B-7	Belt Transfer Drop	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-B-8	Solid Fuel Drop to Mill Chute	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-C-1	Clinker Drop to Shuttle Belt	PM	0.30	1.30
		PM_{10}	0.14	0.61
F-C-2	Shuttle Belt Drop to Clinker Barn	PM	0.30	1.30
		PM_{10}	0.14	0.61
F-H-2	Solid Fuel Drop to Conveyor	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
F-L-1	Unpaved Roads	PM	---	25.34
		PM_{10}	---	11.40

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (3)	Air Contaminant Name (2)	Emission Rates * lb/hr	TPY
F-L-2	Solid Fuel Drop to Hopper	PM	0.01	0.05
		PM_{10}	0.01	0.02
F-P-1	Solid Fuel Storage Drop to Pile	PM	0.01	0.05
		PM_{10}	0.01	0.02
F-P-2	Wind Pile Erosion	PM	0.10	0.42
		PM_{10}	0.05	0.20
F-P-7	Kiln Dust Drop to Piles	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
F-P-12	CKD Dry Kiln Pug Mill to Truck	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
F-Q-4	Quarry Loader Drop to Truck	PM	0.11	0.29
		PM_{10}	0.05	0.14
F-Q-6	Primary Crusher	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
F-R-2	Belt Transfer Drop	PM	0.02	0.06
		PM_{10}	0.01	0.03
F-R-3	Belt Drop to Tabernacle Transfer	PM	0.11	0.29
		PM_{10}	0.05	0.14
F-R-6	Feed Belt Drop to RMS Shuttle Belt	PM	0.02	0.04
		PM_{10}	0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (3)	Air Contaminant Name (2)	Emission Rates * lb/hr	TPY
F-R-7	RMS Shuttle Belt Drop to Pile	PM	0.02	0.04
		PM_{10}	0.01	0.02
F-R-8	RMS Feeder Drop to Belt	PM	0.01	0.04
		PM_{10}	0.01	0.02
F-R-9	RMS Belt Drop to Cross Plant Belt	PM	0.01	0.04
		PM_{10}	0.01	0.02
F-R-10	Cross Plant Belt Drop to Shuttle Belt	PM	0.01	0.04
		PM_{10}	0.01	0.02
F-R-11	Shuttle Belt Drop to Dry Feed Bins	PM	0.01	0.04
		PM_{10}	0.01	0.02
F-R-12	Feed Bins Drop to Roller Mill Belt	PM	0.01	0.04
		PM_{10}	0.01	0.02
F-TR-1	Paved Roads	PM	---	10.37
		PM_{10}	---	0.86
F-TR-2	Solid Fuel Truck Unloading Drop	PM	0.02	0.04
		PM_{10}	0.01	0.02

(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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (3)	Air Contaminant Name (2)	Emission Rates * lb/hr	TPY

fugitive source name.

(3) PM - particulate matter suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
H_2SO_4 - sulfuric acid
CO - carbon monoxide
VOC - volatile organic compounds
HCl - hydrogen chloride

(4) EPNs 41a and 41b will never exhaust to the atmosphere simultaneously.

(5) EPN KS-1 is the sum total of EPNs KS-1a and KS-1b. The individual emission allowables for each of EPNs KS-1a and KS-1b are for compliance purposes.

(6) The PM and PM_{10} filterable rates are based on front-half of sampling train only.

(7) Until July 1, 2002, KS-1 is allowed a maximum annual SO_2 emission rate of 7,088.78 tons and KS-1a is allowed a maximum annual SO_2 emission rate of 1,832.78 tons.

(8) Until July 1, 2002, KS-1 is allowed a maximum annual H_2SO_4 emission rate of 742.51 tons and KS-1a is allowed a maximum annual H_2SO_4 emission rate of 256.33 tons.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (3)	Air Contaminant Name (2)	Emission Rates * lb/hr	TPY

Dated ____