EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1360A

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
E1-2	Cement Truck,	PM	1.34	2.78
	Road Emissions (4)	PM_{10}	0.49	1.02
E1-7	Gypsum Pile,	PM	0.08	0.07
	Drop Fugitive (4)	PM_{10}	0.04	0.03
E1-8	Anhydrite Pile,	PM	0.08	0.05
	Drop Fugitive (4)	PM_{10}	0.04	0.02
E1-11	Sand Pile,	PM	0.05	0.03
	Drop Fugitive (4)	PM_{10}	0.02	0.02
E1-12	Quarry Operations (4)	PM	41.76	11.38
		PM_{10}	20.59	2.53
E1-13	Quarry Loader,	PM	0.78	2.59
	Road Emissions (4)	PM_{10}	0.35	1.17
E1-16	Raw Materials Transfer	PM	0.13	0.10
	Tower	PM_{10}	0.06	0.05
E1-20	Pile Material Loader,	PM	9.17	3.93
	Road Emissions (4)	PM_{10}	4.13	1.77
E1-21	Sand Delivery Truck,	PM	21.59	13.47
	Road Emissions (4)	PM_{10}	7.75	4.83
E1-22	CKD Truck	PM	3.23	3.02
	Road Emissions (4)	PM_{10}	0.98	0.78

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E1-23	Raw Material Drops to Storage Area (4)	PM	0.13	0.10
		PM_{10}	0.06	0.05
E1-24	Primary Crusher (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E1-25	Transfer Point No. 1 (4)	PM	0.08	0.10
		PM_{10}	0.04	0.05
E1-26	Transfer Point No. 2 (4)	PM	0.08	0.10
		PM_{10}	0.04	0.05
E1-27	Secondary Crusher (4)	PM	0.26	0.32
		PM_{10}	0.09	0.12
E1-28	Overland Conveyor Diverter Drop (4)	PM	0.08	0.10
		PM_{10}	0.04	0.05
E1-29	Limestone Storage Dome Drops (4)	PM	0.08	0.10
		PM_{10}	0.04	0.05
E1-30	Underground Belt Feeder Drop (4)	PM	0.26	1.13
		PM_{10}	0.26	1.13
E1-30A	Overland Conveyor Transfer (4)	PM	0.08	0.05
		PM_{10}	0.04	0.03
E1-31	Raw Bins Baghouse (10)	PM	0.79	3.47
		PM_{10}	0.79	3.47
E1-31A	Limestone Transfer Baghouse	PM	1.20	5.26
		PM_{10}	1.20	5.26
E1-31B	Raw Material Circulation Baghouse	PM	0.75	3.30
		PM_{10}	0.75	3.30

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E1-32	Sand, Drop to Hopper (4)	PM	0.02	0.02
		PM_{10}	0.01	0.01
E1-32a	Sand Belt Transfer (4)	PM	0.01	0.01
		PM_{10} <0.01	<0.01	
E2-2	Kiln No. 1	PM (5)	77.70	340.00
		PM_{10}	66.05	289.30
		NO_X	500.00	2190.00
		CO	213.00	933.00
		THC	7.73	33.86
		HCl	9.30	38.60
E2-4	Kiln No. 2	PM (5)	77.70	340.00
		PM_{10}	66.05	289.30
		NO_X	500.00	2190.00
		CO	213.00	933.00
		THC	7.73	33.86
		HCl	9.30	38.60
E2-6	Kiln No. 3	PM (5)	77.70	340.00
		PM_{10}	66.05	289.30
		NO_X	500.00	2190.00
		CO	213.00	933.00
		THC	7.73	33.86
		HCl	9.30	38.60
E2-8	Kiln No. 4	PM (5)	77.70	340.00
		PM_{10}	66.05	289.30
		NO_X	500.00	2190.00
		CO	213.00	933.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	THC	7.73	33.86	
		HCl	9.30	38.60
E2-2, 4, 6, and 8	Bubble Limit, Kiln Nos. 1, 2, 3, and 4	SO_2	3080.00	13490.40
E2-2 and 8	Bubble Limit Kiln Nos. 1 and 4	SO_2	1540.00	6745.20
	Contribution From Waste-Derived Fuel And Clinker Quench Wastewater			
E2-2, 4, 6, and 8	Combined Total Emissions Limits for Kilns Nos. 1-4	HCl	13.30	49.90
		HF	3.30	2.90
		As	0.006	0.026
		Ag	0.0123	0.054
		Ba	0.414	1.81
		Be	0.0061	0.0008
		Cd	0.0341	0.149
		Cr	0.227	0.53
		Hg	0.0031	0.013
		Sb	2.268	9.93
		Se	0.0121	0.053
		Pb	0.69	0.99
		Tl	0.648	2.83
		Zn	0.52	2.28
E2-7	Blending Silo Baghouse (10)	PM	1.02	4.47
		PM_{10}	1.02	4.47
E2-7A	Blending Silo Discharge Baghouse	PM	0.63	2.74
		PM_{10}	0.63	2.74
E2-7B	Preheater Tower Pneumatic Feed Baghouse (10)	PM	0.99	4.32
		PM_{10}	0.99	4.32

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E2-10a	CKD Drop to Landfill (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E2-10b	Quarry CKD Bin Baghouse	PM	0.06	0.14
		PM_{10}	0.06	0.14
E2-10C	CKD Bin Baghouse	PM	0.43	0.94
		PM_{10}	0.43	0.94
E2-10D	Kiln Dust to Scrubber Baghouse	PM	0.17	0.73
		PM_{10}	0.17	0.73
E2-10E	CKD Mixer Wet Collector	PM	0.69	1.50
		PM_{10}	0.69	1.50
E2-10F	CKD Drop to Truck (4)	PM	0.01	0.01
		PM_{10}	<0.01	0.01
E2-11	Lime Delivery Truck, Road Emissions (4)	PM	5.69	0.47
		PM_{10}	0.59	0.05
E2-11A	Dust Bin Baghouse	PM	0.60	2.68
		PM_{10}	0.60	2.68
E2-11B	Lime Silo Baghouse	PM	0.25	0.27
		PM_{10}	0.25	0.27
E2-12	Iron Component Truck, Road Emission (4)	PM	17.67	8.84
		PM_{10}	5.99	2.99
E2-13	Iron Additive Drop to Piles (4)	PM	0.18	0.09
		PM_{10}	0.09	0.04
E2-13A	Loader Drop to Grizzly	PM	0.12	0.34

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Screen (4)	PM_{10}	0.06	0.17
E2-13P	Slag Pile, Windblown	PM	0.01	<0.01
	Emissions (4)	PM_{10}	0.01	<0.01
E2-14	Iron Component Loader,	PM	9.17	5.68
	Road Emissions (4)	PM_{10}	4.13	2.55
E2-15	Loader Drop to	PM	0.08	0.05
	Iron Additive Hopper (4)	PM_{10}	0.04	0.02
E2-16	Iron Additive Feed	PM	0.26	1.13
	System Baghouse	PM_{10}	0.26	1.13
E2-17	Kiln 5 Iron Feed System Hopper (4)		PM 0.16	0.18
		PM_{10} 0.09	0.08	
E2-18	Iron Additive Drop to Pile (4)	PM	0.18	0.16
		PM_{10} 0.09	0.08	
E2-18P	East Slag Pile, Windblown (4)	PM	0.01	<0.01
	Emissions	PM_{10}	0.01	<0.01
E2-22	Kiln No. 5	PM/PM_{10} (front-half)	29.24	128.10
	Main Stack	PM/PM_{10} (back-half)	40.00	160.00
		NO_X	681.25	2725.00
		SO_2	332.25	1329.00
		THC	6.40	25.60
		CO	92.44	369.74
		H_2SO_4	6.64	29.08

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		TRS (including H_2S)	0.03	0.13
E2-101	No. 1 Cooler	PM	2.35	10.29
	Baghouse	PM_{10}	1.79	7.84
E2-103	No. 2 Cooler	PM	8.78	38.46
	Baghouse	PM_{10}	6.67	29.23
E2-105	No. 3 Cooler	PM	8.78	38.46
	Baghouse	PM_{10}	6.67	29.23
E2-107	No. 4 Cooler	PM	2.35	10.29
	Baghouse	PM_{10}	1.79	7.84
E3-1	No. 4 Clinker Elevator	PM	0.21	0.94
	Baghouse (10)	PM_{10}	0.21	0.94
E3-2	No. 3 Tunnel Baghouse (10)	PM	0.21	0.94
		PM_{10} 0.21	0.94	
E3-3	No. 2 Tunnel Baghouse	PM	0.43	1.88
		PM_{10} 0.43	1.88	
E3-5	No. 1 Tunnel Baghouse	PM	0.43	1.88
		PM_{10} 0.43	1.88	
E3-6	700 and 703 Pan Surge Bin	PM	0.43	0.94
	Baghouse (10)	PM_{10}	0.43	0.94
E3-9	Fringe Bin Nos. 1, 2, 3 FM	PM	0.17	0.75
	Baghouse	PM_{10}	0.17	0.75
E3-10	Clinker Silos 15-18 (4)	PM	0.43	1.88
		PM_{10}	0.43	1.88

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E3-11	Belt Transfer 707 Tail Pulley Baghouse (10)	PM	0.32	0.70
		PM_{10}	0.32	0.70
E3-12	Belt Trans. Head Wheel 703, 704, 721 (4)	PM	0.26	0.56
		PM_{10}	0.26	0.56
E3-14	FlyAsh Silo Baghouse	PM	0.15	0.68
		PM_{10}	0.15	0.68
E3-15	Trans Head Pull 702 Pan; 748 Drag (4)	PM	0.43	0.94
		PM_{10}	0.43	0.94
E3-23	Lower Reclaim Belt Baghouse	PM	0.26	0.38
		PM_{10}	0.26	0.38
E3-24	Belt Transfer 707, 708, 780 (4)	PM	0.43	0.94
		PM_{10}	0.43	0.94
E3-25	FM No. 6 Transfer Tower Baghouse (10)	PM	0.31	1.35
		PM_{10}	0.31	1.35
E3-26	Belt Transfer 742, 703, 740, 741 Baghouse (10)	PM	0.32	1.41
		PM_{10}	0.32	1.41
E3-29	No. 2 Cooler Tunnel	PM	0.27	1.20
		PM_{10}	0.27	1.20
E3-30	No. 1 Cooler Tunnel	PM	0.27	1.20
		PM_{10}	0.27	1.20
E3-33	Clinker Barn West Baghouse (10)	PM	0.32	1.41
		PM_{10}	0.32	1.41
E3-33A	Clinker Outhaul to No. 6 Finish Mill Baghouse (10)	PM	0.29	1.28
		PM_{10}	0.29	1.28

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E3-34	Surge Bin Transfer 713, 715, 717, 718	PM	0.64	0.84
		PM_{10}	0.64	0.84
E3-35	706 Drag Conveyor	PM	0.09	0.19
		PM_{10}	0.09	0.19
E3-37	Transfer 700, 704, 701	PM	0.86	3.75
		PM_{10}	0.86	3.75
E3-38	712 Tunnel at Clinker Building	PM	0.64	1.41
		PM_{10}	0.64	1.41
E3-41	East Clinker Door Baghouse	PM	0.64	2.82
		PM_{10}	0.64	2.82
E3-42	West Clinker Door Baghouse	PM	0.64	2.82
		PM_{10}	0.64	2.82
E3-50	Mill Additives Drop to Rail Hopper (4)	PM	0.04	0.03
		PM_{10}	0.02	0.02
E3-51	Hopper Drop to Belt (4)	PM	0.04	0.03
		PM_{10}	0.02	0.02
E3-52	Pan Conveyor Baghouse	PM	0.63	2.74
		PM_{10}	0.63	2.74
E3-52A	Clinker Discharge Baghouse	PM	0.37	1.61
		PM_{10}	0.37	1.61
E3-53	Clinker Belt Transfer Baghouse	PM	0.58	2.55
		PM_{10}	0.58	2.55
E3-54	FM No. 6 Bins	PM	1.79	7.85

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Baghouse	PM_{10}	1.79	7.85
E3-55	Finish Mill No. 6	PM	5.76	25.23
	Separator/Mill Baghouse	PM_{10}	2.88	12.61
E3-57	Finish Mill No. 6	PM	0.12	0.53
	Cement Baghouse	PM_{10}	0.12	0.53
E4-1	Finish Silo Group No. 3	PM	0.77	3.38
	Baghouse (10)	PM_{10}	0.77	3.38
E4-2	Finish Silo Group No. 3	PM	0.77	3.38
	Baghouse (10)	PM_{10}	0.77	3.38
E4-3	Finish Silo Group No. 4	PM	0.21	0.94
	Baghouse (10)	PM_{10}	0.21	0.94
E4-5	Finish Silo Group No. 2	PM	0.51	2.25
	Baghouse	PM_{10}	0.51	2.25
E4-6	Finish Silo Group No. 1	PM	0.13	0.56
	Baghouse	PM_{10}	0.13	0.56
E4-7	Finish Silo Group No. 1	PM	0.13	0.56
	Baghouse	PM_{10}	0.13	0.56
E4-8	Finish Silo Group No. 1	PM	0.08	0.34
	Baghouse	PM_{10}	0.08	0.34
E4-9	Finish Silo Group No. 2	PM	0.04	0.17
	Baghouse (6)	PM_{10}	0.04	0.17
E4-10	Rail System	PM	0.45	0.67
	Baghouse (6), (8), (10)	PM_{10}	0.45	0.67

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E4-11	Rail Loading No. 3 Baghouse (6)	PM	0.14	0.62
		PM_{10}	0.14	0.62
E4-12	FM No. 6 Transfer Baghouse (10)	PM	0.54	2.35
		PM_{10}	0.54	2.35
E4-13	Truck Load-out Baghouse (6), (8)	PM	0.06	0.09
		PM_{10}	0.06	0.09
E4-16	Truck Load-out Baghouse (10)	PM	0.36	1.60
		PM_{10}	0.36	1.60
E4-17	Truck Load-out Baghouse (10)	PM	0.36	1.60
		PM_{10}	0.36	1.60
E4-18	Truck Loading Baghouse	PM	0.36	1.60
		PM_{10}	0.36	1.60
E4-19	Finish Silo Group No. 2 Baghouse (6)	PM	0.19	0.83
		PM_{10}	0.19	0.83
E4-20	Finish Silo Group No. 2 Baghouse (6)	PM	0.69	3.00
		PM_{10}	0.69	3.00
E4-21	Masonary Rail Loadout Baghouse (6), (8), (10)	PM	0.04	0.17
		PM_{10}	0.04	0.17
E4-22	Truck Load-out Baghouse	PM	0.32	1.41
		PM_{10}	0.32	1.41
E4-24	No. 5 Bin Baghouse	PM	0.30	1.31
		PM_{10}	0.30	1.31
E4-25	Masonry Bagging Baghouse (6), (9)	PM	0.21	0.19
		PM_{10}	0.21	0.19

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E4-26	No. 6 Bin Baghouse	PM	0.30	1.31
		PM_{10}	0.30	1.31
E4-27	Traveling Rail Loadout Baghouse	PM	0.21	0.94
		PM_{10}	0.21	0.94
E4-28	No. 3 Load Spout Baghouse	PM	0.21	0.94
		PM_{10}	0.21	0.94
E6-1	Coal, Drop from Railcar (4)	PM	0.12	0.09
		PM_{10}	0.06	0.04
E6-2	Solid Fuel, Rail Hopper Drop to Belt (4)	PM	0.12	0.09
		PM_{10}	0.06	0.04
E6-3	Solid Fuel, Belt Drop to Piles (4)	PM	0.24	0.18
		PM_{10}	0.11	0.08
E6-4	Coal Pile, Wind Blown Emissions (4)	PM	0.01	0.05
		PM_{10}	0.01	0.03
E6-5	Solid Fuel, Truck Road Emissions (4), (7)	PM	1.14	1.06
		PM_{10}	0.51	0.48
E6-6	Coal Loader Road Emissions (4)	PM	0.41	0.37
		PM_{10}	0.19	0.17
E6-7	Solid Fuel, Loadout to Covered Storage (4)	PM	0.19	0.17
		PM_{10}	0.09	0.08
E6-8	Coal, Truck Drops to Pile (4)	PM	1.05	0.16
		PM_{10}	0.50	0.08
E6-9	Solid Fuel, Loader	PM	0.07	0.08

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Drop to Hopper (4)	PM_{10}	0.03	0.04
E6-10	Coal Crusher (4)	PM	0.02	0.02
		PM_{10}	0.01	0.01
E6-11	Coal Belt to No. 4	PM	0.04	0.04
	Coal Bin (4)	PM_{10}	0.02	0.02
E6-12	Coal Belt to No. 3	PM	0.03	0.03
	Coal Bin (4)	PM_{10}	0.01	0.01
E6-13	Coal Belt to No. 2	PM	0.02	0.02
	Coal Bin (4)	PM_{10}	0.01	0.01
E6-14	Coal Belt to No. 1	PM	0.01	0.01
	Coal Bin (4)	PM_{10}	<0.01	<0.01
E6-15	Solid Fuel, Drop	PM	0.03	0.03
	to Belt (4)	PM_{10}	0.01	0.02
E6-18	Solid Fuel, Drop to	PM	0.05	0.04
	Stacker Belt (4)	PM_{10}	0.02	0.02
E6-19	Coal Bin No. 4 to	PM	<0.01	0.01
	Coal Mill Feed Belt (4)	PM_{10}	<0.01	<0.01
E6-20	Coal Bin No. 3 to	PM	<0.01	0.01
	Coal Mill Feed Belt (4)	PM_{10}	<0.01	<0.01
E6-21	Coal Bin No. 2 to	PM	<0.01	0.01
	Coal Mill Feed Belt (4)	PM_{10}	<0.01	<0.01
E6-22	Coal Bin No. 1 to	PM	<0.01	0.01
	Coal Mill Feed Belt (4)	PM_{10}	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E6-23	No. 4 Coal Belt to Coal Mill (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E6-24	No. 3 Coal Belt to Coal Mill (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E6-25	No. 2 Coal Belt to Coal Mill (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E6-26	No. 1 Coal Belt to Coal Mill (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E6-27	Solid Fuel, Conveyor Diverter Baghouse	PM	0.52	2.29
		PM_{10}	0.52	2.29
E6-28	Solid Fuel Mill Bin Baghouse	PM	0.13	0.56
		PM_{10}	0.13	0.56
E6-29	Solid Fuel Bin, Drop to Weigh Feeder (4)	PM	0.01	0.02
		PM_{10}	<0.01	0.01
E6-30	Coal Mill Baghouse Exhaust (10)	PM	2.34	10.23
		PM_{10}	2.34	10.23
E6-31	Coal Fines Bin Baghouse	PM	0.02	0.07
		PM_{10}	0.02	0.07
CKDL-1	CKD Landfill Dozer Emissions (4)	PM	0.17	0.04
		PM_{10}	0.07	0.02
CKDL-2	CKD Landfill Windblown Emissions (4)	PM	-	0.10
		PM_{10}	-	0.05
E-A-1	Manifold Small Tanks (4)	VOC	0.05	0.24

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E-A-2	Manifold Large Tanks (4)	VOC	0.02	0.10
E-F-1	Small Storage Equipment (4)	VOC	0.05	0.21
E-F-2	Large Storage Equipment (4)	VOC	0.07	0.31
E-F-3	Pump Pit Fuel Component (4)	VOC	0.07	0.30
E-F-4	Fuel Island Fuel Lines (4)	VOC	0.08	0.34
E-F-5	Burner Floor Fuel Lines (4)	VOC	0.02	0.10
E-Q-1	Fuel Island Quench Lines (4)	VOC	<0.01	0.02
E-Q-2	Quench Tank Equipment (4)	VOC	<0.01	0.04
E-Q-3	Pump Pit Quench Water Components (4)	VOC	<0.01	0.01
E-Q-4	Burner Floor Quench Lines (4)	VOC	0.03	0.11
Fugitives	WDF/Quench Fugitives (4)	VOC	1.58	6.90

(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 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
CO - carbon monoxide
THC - total hydrocarbons
HCl - hydrogen chloride
SO_2 - sulfur dioxide
H_2SO_4 - sulfuric acid mist

TRS - total reduced sulfur
H_2S - hydrogen sulfide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
HF - hydrogen fluoride
As - arsenic
Ag - silver
Ba - barium
Be - beryllium
Cd - cadmium
Cr - chromium
Hg - mercury

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Pb - lead
Sb - antimony
Se - selenium
Tl - thallium
Zn - zinc

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) PM allowable includes front and back-half catch and is based on the 30 TAC Chapter I allowable and a stack flow rate of 150,000 acfm.

(6) Emission rates are based on a limited annual basis with compliance demonstrated by records of cement stored or shipped through these facilities. Operations limitations are as follows:

1. Operation of EPNs E4-9, 10, 11, 13, 21, and 25 are limited to the hours between 4 a.m. and 8 p.m.

2. Operation of EPNs E4-19 and E4-20 are limited to the hours between 8 a.m. and midnight.

(7) EPN 6-5 is vehicle traffic emissions from E6-5A through E6-5S2 as listed in Table 6.1 on page 11 of the February, 1999 amendment application to this permit.

(8) Annual emission rates are based on and the facilities are limited to a maximum annual operating schedule of 2,978 hours per year.

(9) Annual emission rates are based on and the facilities are limited to a maximum annual operating schedule of 1,752 hours per year.

(10) These emission points are required to use a PTFE (polytetrafluoroethylene) membrane lined high efficiency bags.

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

Hrs/day ___ Days/week ___ Weeks/year ___ or Hrs/year 8,760

Dated January 11, 2001