Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 1360A and PSDTX632M1

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)
E1-1	Raw Material Delivery, Road Dust (6)	PM	--	3.64
		PM_{10}	--	1.39
E1-2	Cement Trucks, Road Dust (6)	PM	1.34	2.78
		PM_{10}	0.49	1.02
E1-7	Gypsum Pile, Wind Erosion (6)	PM	0.08	0.07
		PM_{10}	0.04	0.03
E1-8	Anhydrite Pile, Wind Erosion (6)	PM	0.08	0.05
		PM_{10}	0.04	0.02
E1-11	Sand Pile, Wind Erosion (6)	PM	0.03	0.02
		PM_{10}	0.02	0.01
E1-12	Quarry Dozing Operations (6)	PM	4.82	12.93
		PM_{10}	3.56	9.42
E1-13	Quarry Loader, Road Dust (6)	PM	0.87	4.18
		PM_{10}	0.40	1.88
E1-16	Limestone Belt Transfer Drop	PM	0.13	0.10
		PM_{10}	0.06	0.05
E1-20	Pile Material Loader, Road Dust (6)	PM	0.53	0.64
		PM_{10}	0.24	0.29
E1-21	Sand Delivery Truck, Road Dust (6)	PM	22.20	13.88
		PM_{10}	9.03	5.53
E1-22	CKD Truck, Road Dust (6)	PM	3.23	3.02
		PM_{10}	0.98	0.78
E1-23	Raw Material Drops to Storage	PM	0.13	0.10

Emission Sources - Maximum Allowable Emission Rates

	Area (6)	PM_{10}	0.06	0.05
E1-24	Primary Crusher (6)	PM	0.01	0.02
		PM_{10}	<0.01	0.01
E1-25	Transfer Point No. 1 (6)	PM	0.08	0.14
		PM_{10}	0.04	0.07
E1-26	Transfer Point No. 2 (6)	PM	0.08	0.14
		PM_{10}	0.04	0.07
E1-27	Secondary Crusher (6)	PM	0.39	0.72
		PM_{10}	0.15	0.27
E1-28	Overland Conveyor Diverter Drop (6)	PM	0.08	0.14
		PM_{10}	0.04	0.07
E1-29	Limestone Storage Dome Drops (6)	PM	0.08	0.14
		PM_{10}	0.04	0.07
E1-30	Underground Belt Feeder Drop (6)	PM	0.26	1.13
		PM_{10}	0.26	1.13
E1-30A	Raw Bins to Overland Conveyor (6)	PM	0.08	0.05
		PM_{10}	0.04	0.03
E1-31	Raw Bins Baghouse (11)	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 Materials Circulation Baghouse	PM	0.75	3.30
		PM_{10}	0.75	3.30
E1-32	Sand, Drop to Hopper (6)	PM	0.02	0.02

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.01	0.01
E1-32a	Sand Belt Transfer (6)	PM	0.01	0.01
		PM_{10}	<0.01	<0.01
E1-32b	Iron/Sand Belt Weigh Feeder Drop (6)	PM	0.01	0.01
		PM_{10}	<0.01	<0.01
E1-33	Overland Conveyor Transfer No. 3 (6)	PM	0.08	0.14
		PM_{10}	0.04	0.07
E1-34	Overland Conveyor Transfer No. 4 (6)	PM	0.08	0.14
		PM_{10}	0.04	0.07
E2-7	Blending Silo Baghouse (11)	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 (11)	PM	0.99	4.32
		PM_{10}	0.99	4.32
E2-10a	CKD Drop from Truck (6)	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
E2-10F	CKD Drop to Truck (6)	PM	0.01	0.01
		PM_{10}	<0.01	0.01
E2-11	Lime Delivery Truck, Road Dust (6)	PM	5.69	0.47
		PM_{10}	0.59	0.05

Emission Sources - Maximum Allowable Emission Rates

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 Additive Truck, Road Dust (6)	PM	17.67	8.84
		PM_{10}	5.99	2.99
E2-13A	Loader Drop to Grizzly Screen (6)	PM	0.12	0.34
		PM_{10}	0.06	0.17
E2-13P	Slag Pile, Wind Erosion (6)	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
E2-14	Iron Component Loader, Road Dust (6)	PM	9.17	5.68
		PM_{10}	4.13	2.55
E2-14a	Steel Slag Grizzly Screen (6)	PM	0.18	0.09
		PM_{10}	0.09	0.05
E2-17	Iron Feed System Hopper (6)	PM	0.08	0.06
		PM_{10}	0.04	0.03
The following three sources are permit by rule (PBR) sources incorporated by reference. They remain authorized by PBR 30 TAC § 106.261, reviewed under Registration No. 91551, issued January 8, 2010.				
E2-17a	Clinker Reclaim Drop to Hopper (6)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
E2-17b	Clinker Reclaim Hopper Drop to Belt (6)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
E2-17c	Clinker Reclaim Belt to Belt Drop (6)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
E2-18P	East Slag Pile, Wind Erosion (6)	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
E2-22	Kiln No. 5 Main Stack	NO_x (13)	681.25	2,725
		SO_2	332.25	1,329

Emission Sources - Maximum Allowable Emission Rates

		CO	500	1,020.1
		PM, total	69.24	267.77
		PM, filterable	29.24	107.77
		PM_{10}, total	69.24	267.77
		PM_{10}, filterable	29.24	107.77
		$PM_{2.5}$	53.67	225.41
		HCl	27.39	107.97
		H_2SO_4	33.23	103.68
		VOC/THC	19.06	67.1
		TRS (incl. H_2S)	2.26	9.9
		Hg	0.13	0.51
		Pb	0.01	0.04
E3-1	No. 4 Clinker Elevator Baghouse (11)	PM	0.21	0.94
		PM_{10}	0.21	0.94
E3-2	No. 3 Tunnel Baghouse (11)	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 Pan Conveyor Baghouse (11)	PM	0.43	0.94
		PM_{10}	0.43	0.94
E3-9	Fringe Bins Nos. 1 - 3 FM Baghouse	PM	0.17	0.75
		PM_{10}	0.17	0.75

Emission Sources - Maximum Allowable Emission Rates

E3-10	Additive Silos Conveyor Drop (6)	PM	0.43	1.88
		PM_{10}	0.43	1.88
E3-11	No. 708 Drag Conveyor Baghouse (11)	PM	0.32	0.70
		PM_{10}	0.32	0.70
E3-12	Reclaim Belt Baghouse (6)	PM	0.26	0.56
		PM_{10}	0.26	0.56
The following source is a permit by rule (PBR) source incorporated by reference. It remains authorized by PBR 30 TAC § 106.261, reviewed under Registration No. 83128, issued October 25, 2007.				
E3-13A	Reserve Clinker Pile, Wind Erosion (6)	PM	0.23	0.99
		PM_{10}	0.11	0.50
The following four sources are permit by rule (PBR) sources incorporated by reference. They remain authorized by PBR 30 TAC § 106.261, reviewed under Registration No. 91551, issued January 8, 2010.				
E3-13B	Reserve Clinker Drop to Hopper (6)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E3-13C	Reserve Clinker Hopper Drop to Belt (6)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
E3-13D	Reserve Clinker, Portable Screen (6)	PM	0.01	0.03
		PM_{10}	<0.01	0.01
E3-13E	Reserve Clinker Pile 2, Wind Erosion (6)	PM	0.11	0.50
		PM_{10}	0.06	0.25
E3-14	Fly Ash Silo Baghouse	PM	0.15	0.68
		PM_{10}	0.15	0.68
E3-15	South Clinker Group No. 4 Baghouse	PM	0.43	0.94

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.43	0.94
E3-20	Finish Mill No. 5 Feed Baghouse	PM_{10}	0.21	0.83
E3-21	Finish Mill No. 5 Baghouse	PM_{10}	0.86	3.33
E3-22	780 Head Pulley Baghouse	PM_{10}	0.21	0.83
E3-23	Lower Reclaim Belt Baghouse	PM	0.26	0.38
		PM_{10}	0.26	0.38
E3-24	Stacker Belt Sec. 2 Baghouse	PM	0.43	0.94
		PM_{10}	0.43	0.94
E3-25	FM No. 6 Transfer Tower Baghouse (11)	PM	0.31	1.35
		PM_{10}	0.31	1.35
E3-33	Clinker Barn West Baghouse (11)	PM	0.32	1.41
		PM_{10}	0.32	1.41
E3-33A	Clinker Outhaul to FM No. 6 Baghouse (11)	PM	0.29	1.28
		PM_{10}	0.29	1.28
The following three sources are permit by rule (PBR) sources incorporated by reference. They remain authorized by PBR 30 TAC § 106.261, reviewed under Registration No. 81823, issued June 5, 2007.				
E3-33b	Clinker Drop from Loader to Hopper (6)	PM	6.51	3.25
		PM_{10}	3.08	1.54
E3-33c	Hopper Clinker Drop to Belt 712T (6)	PM	0.74	3.25
		PM_{10}	0.35	1.54
E3-33d	Belt 712T Clinker Drop to Belt 713 (6)	PM	0.74	3.25
		PM_{10}	0.35	1.54
E3-34	Surge Collector Baghouse	PM	0.64	0.84

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.64	0.84
E3-35	Gypsum/Anhydrite Storage Bin Baghouse	PM	0.09	0.19
		PM_{10}	0.09	0.19
E3-37	Nos. 9-10 Clinker Silo Baghouse	PM	0.86	3.75
		PM_{10}	0.86	3.75
E3-38	Clinker Barn East Tunnel Baghouse	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	Additive Hopper, Drop Fugitive (6)	PM	0.04	0.03
		PM_{10}	0.02	0.02
E3-51	Additive Hopper, Drop to Belt (6)	PM	0.04	0.03
		PM_{10}	0.02	0.02
The following three sources are permit by rule (PBR) sources incorporated by reference. They remain authorized by PBR 30 TAC § 106.261, reviewed under Registration No. 83073, issued October 5, 2007.				
E3-51a	Additive Drop to Hopper (6)	PM	0.52	0.26
		PM_{10}	0.25	0.12
E3-51b	Additive Hopper, Drop to Belt (6)	PM	0.02	0.08
		PM_{10}	0.01	0.04
E3-51c	Additive Hopper, Belt to Belt Drop (6)	PM	0.02	0.08
		PM_{10}	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

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 Baghouse	PM	1.79	7.85
		PM_{10}	1.79	7.85
E3-55	Finish Mill No. 6 Baghouse	PM	5.76	25.23
		PM_{10}	2.88	12.61
E3-57	Finish Mill No. 6 Cement Baghouse	PM	0.12	0.53
		PM_{10}	0.12	0.53
E4-1	Finish Silo Group No. 4 Baghouse (11)	PM	0.77	3.38
		PM_{10}	0.77	3.38
E4-2	Finish Silo Group No. 3 Baghouse (11)	PM	0.77	3.38
		PM_{10}	0.77	3.38
E4-3	Finish Silo Group No. 4 Baghouse (11)	PM	0.21	0.94
		PM_{10}	0.21	0.94
E4-5	Finish Silo Group No. 2 Baghouse	PM	0.51	2.25
		PM_{10}	0.51	2.25
E4-6	Finish Silo Group No. 1 Baghouse	PM	0.13	0.56
		PM_{10}	0.13	0.56
E4-7	Finish Silo Group No. 1 Baghouse	PM	0.13	0.56
		PM_{10}	0.13	0.56

Emission Sources - Maximum Allowable Emission Rates

E4-8	Finish Silo Group No. 1 Baghouse	PM	0.08	0.34
		PM_{10}	0.08	0.34
E4-9	Rail Loading Baghouse (7)	PM	0.04	0.17
		PM_{10}	0.04	0.17
E4-10	Rail System Baghouse (7) (9) (11)	PM	0.45	0.67
		PM_{10}	0.45	0.67
E4-11	Rail Loading No. 3 Baghouse (7)	PM	0.14	0.62
		PM_{10}	0.14	0.62
E4-12	FM No. 6 Transfer Baghouse (11)	PM	0.54	2.35
		PM_{10}	0.54	2.35
E4-13	Truck Loadout Baghouse (7) (9)	PM	0.06	0.09
		PM_{10}	0.06	0.09
E4-16	Truck Loadout No.2 Baghouse (11)	PM	0.36	1.6
		PM_{10}	0.36	1.6
E4-17	Truck Loadout No.1 Baghouse (11)	PM	0.36	1.6
		PM_{10}	0.36	1.6
E4-18	Truck Loading Baghouse	PM	0.36	1.6
		PM_{10}	0.36	1.6
E4-19	Packhouse Elevator Baghouse (7)	PM	0.19	0.83
		PM_{10}	0.19	0.83
E4-20	Bagging Machine Baghouse (7)	PM	0.69	3.0
		PM_{10}	0.69	3.0
E4-21	Masonry Rail Loadout Baghouse (7) (9) (11)	PM	0.04	0.17
		PM_{10}	0.04	0.17

Emission Sources - Maximum Allowable Emission Rates

E4-22	Truck Loadout 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 (7) (10)	PM	0.21	0.19
		PM_{10}	0.21	0.19
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 to Rail Hopper (6)	PM	0.12	0.11
		PM_{10}	0.06	0.06
E6-2	Coal Drop from Rail Hopper to Belt (6)	PM	0.12	0.11
		PM_{10}	0.06	0.06
E6-4	Coal Pile, Wind Erosion (6)	PM	0.01	0.05
		PM_{10}	0.01	0.03
The following source is a permit by rule (PBR) source incorporated by reference. It remains authorized by PBR 30 TAC § 106.261, reviewed under Registration No. 88314, issued May 26, 2009.				
E6-4A	Coal Pile, Wind Erosion (6)	PM	0.13	0.55
		PM_{10}	0.06	0.28
E6-5	Coal Delivery Truck, Road Dust (6) (8)	PM	1.14	1.06
		PM_{10}	0.51	0.48

Emission Sources - Maximum Allowable Emission Rates

E6-6	Coal Loader, Road Dust (6)	PM	0.50	0.35
		PM_{10}	0.23	0.16
E6-7	Coal Loadout to Covered Storage (6)	PM	0.10	0.11
		PM_{10}	0.05	0.06
E6-9	Coal Loader Drop to Hopper (6)	PM	0.07	0.11
		PM_{10}	0.04	0.06
E6-10	Coal Crusher (6)	PM	0.02	0.02
		PM_{10}	0.01	0.01
E6-18	Coal Drop to Stacker Belt (6)	PM	0.05	0.04
		PM_{10}	0.03	0.02
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 Drop from Bin to Weigh Feeder (6)	PM	0.01	0.04
		PM_{10}	<0.01	0.02
E6-30	Coal Mill Baghouse Exhaust (11) (12)	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
ALTF-1	Alt. Solid Fuels Truck Drop to Hopper (6)	PM	0.01	0.05
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
ALTF-2	Alt. Solid Fuels Screw Drop to Alt Fuel Belt 1 (6)	PM	<0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTF-3	Alt. Solid Fuels Belt 1 Drop to Belt 2 (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTF-4	Alt. Solid Fuels Belt 2 Drop to Belt 3 (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTF-5	Alt. Solid Fuels Belt 3 Drop to Tower Hopper Screws (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTF-6	Alt. Solid Fuels Hopper Screws to Belt 4 (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTF-7	Alt. Solid Fuels Belt 4 Drop to Belt 5 (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTF-8	Alt. Solid Fuels Belt 5 Drop to Feed Screw (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTM-1	Alternate Raw Material Loader Drop to Hopper (6)	PM	0.05	0.03
		PM_{10}	0.03	0.01
		$PM_{2.5}$	<0.01	<0.01
ALTM-2	Alternate Raw Material	PM	0.03	0.01

Emission Sources - Maximum Allowable Emission Rates

	Hopper Drop to Belt (6)	PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
BIO-P-1	Alt. Solid Fuels – Biomass Pile, Wind Erosion (6)	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.01	0.04
CAT-P-1	Alt. Materials - Catalyst Pile, Wind Erosion (6)	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.01	0.04
CKDL-1	CKD Landfill Dozer Dust Emissions (6)	PM	0.17	0.04
		PM_{10}	0.07	0.02
CKDL-2	CKD Pile, Wind Erosion (6)	PM	--	0.10
		PM_{10}	--	0.05
E-A-1	Manifold Small Tanks (6)	VOC	0.05	0.24
E-A-2	Manifold Large Tanks (6)	VOC	0.02	0.10
E-F-1	Small Storage Equipment (6)	VOC	0.05	0.21
E-F-2	Large Storage Equipment (6)	VOC	0.07	0.31
E-F-3	Pump Pit Fuel Component (6)	VOC	0.07	0.30
E-F-4	Fuel Island Fuel Lines (6)	VOC	0.08	0.34
E-F-5	Burner Floor Fuel Lines (6)	VOC	0.02	0.10
E-Q-1	Fuel Island Quench Lines (6)	VOC	<0.01	0.02
E-Q-2	Quench Tank Equipment (6)	VOC	<0.01	0.04
E-Q-3	Pump Pit Quench Water Components (6)	VOC	<0.01	0.01
E-Q-4	Burner Floor Quench Lines (6)	VOC	0.03	0.11

Emission Sources - Maximum Allowable Emission Rates

FLTC-P-1	Alt. Materials - Filter Cake Pile, Wind Erosion (6)	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.01	0.04
IRN-P-1	Alt. Materials - Iron Pile, Wind Erosion (6)	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.01	0.04
PC5-1	Petroleum Coke Front End Loader Drop to Hopper (6)	PM	0.39	0.28
		PM_{10}	0.18	0.13
		$PM_{2.5}$	0.03	0.02
PC5-2	Petroleum Coke Fuel Pile, Wind Erosion (6)	PM	0.33	1.45
		PM_{10}	0.17	0.72
		$PM_{2.5}$	0.03	0.11
PC5-4	Pet Coke Mill Feed Bin Baghouse	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.02
PC5-5	Pet Coke Bin Baghouse	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.02	0.01
WB-P-1	Alt. Materials - Wallboard Pile, Wind Erosion (6)	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.01	0.04
WD-P-1	Alt. Solid Fuels – Wood Products Pile, Wind Erosion (6)	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.01	0.04
MSSFUG	Inherently Low-Emitting	PM	1.47	1.25

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.90	0.92
		$PM_{2.5}$	0.31	0.36
		NO_x	0.02	<0.01
		CO	0.5	<0.01
		SO_2	0.01	0.01
		VOC	1.45	<0.01

(1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - PM equal to or less than 10 microns in diameter. Where PM is not listed it shall be assumed that no PM greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter of 2.5 microns and smaller
CO - carbon monoxide
THC - total hydrocarbons
HCl - hydrogen chloride
HF - hydrogen fluoride
H_2S - hydrogen sulfide
H_2SO_4 - sulfuric mist
TRS - total reduced sulfur
Cl_2 - chlorine
Hg - mercury
Pb - lead
(4) Planned maintenance, startup, and shutdown (MSS) emissions are included.
(5) Compliance with annual emission limits is based on a 12-month rolling period.
(6) Fugitive emission rates are an estimate and are enforceable through compliance with the applicable special conditions and permit application representations.
(7) Annual emission rates are based on daily operation limits as follows:
A. EPNs E4-9, 10, 11, 13, 21, and 25 shall not operate between 8 p.m. and 4 a.m.
B. EPNs E4-19 and E4-20 shall not operate between midnight and 8 a.m.
(8) EPN E6-5 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.
(9) Annual emissions are based on and the facilities are limited to a maximum annual operating schedule of 2,978 hours per year.

Emission Sources - Maximum Allowable Emission Rates

(10) EPN E4-25 annual emission rates are based on and the facilities are limited to a maximum annual operating schedule of 1,752 hour per year.
(11) These emission points are required to use polytetrafluoroethylene (PTFE) membrane-lined, high-efficiency bags.
(12) The exhaust from the coal mill baghouse vent, EPN E6-30, must be rerouted to the inlet or upstream side of the roller (raw) mill before the startup of the new clinker cooler, as described in the August, 2010 permit amendment application.
(13) Kiln 5 hourly NO_x emission limit is based on a 30-day rolling average.

Date: December 7, 2015