Permit Numbers 82775 and PSDTX1101

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	
1101 (2)		Tuano (o)	lbs/hour	TPY (4)
Point Sources				·
S-C-36	Preheater/Precalciner Kiln and	NO _x (5)	209	825
	Inline Raw Mill	CO (5)	233	919
		SO ₂ (6)	478	104
		$PM_{2.5}$ (filterable)(7)	1.36	4.95
		PM ₁₀ (filterable)(7)	3.01	11.0
		PM (filterable)(7)	3.01	11.0
		PM _{2.5} (Total) (7)	71.29	118.3
		PM ₁₀ (Total) (7)	158.4	271.2
		PM (Total) (7)	158.4	271.2
		H ₂ SO ₄ (7)	20.1	27.6
		VOC (7)	33.9	121
		Lead (7)	0.09	0.34
		Mercury (5)	0.0032	0.012
		HCI (7)(8)	19.5	18.4
		HF (7)	0.9	3.3
		Ammonia (7)	33.94	121
S-A-26	Limestone Hopper, Primary	PM	0.82	3.24
	Crushing, and Conveying	PM ₁₀	0.70	2.75
		PM _{2.5}	0.21	0.81
S-A-27	Limestone Conveying and	PM	0.82	3.24
	Screening to Overland Conveyor	PM ₁₀	0.70	2.75
		PM _{2.5}	0.21	0.81
S-A-28	Overland Conveyor Transfer to	PM	0.14	0.57
	Raw Material Storage	PM ₁₀	0.12	0.49
		PM _{2.5}	0.04	0.14
S-A-29	Transfer to Limestone Pile in	PM	0.17	0.67
	Raw Material Storage Building North	PM ₁₀	0.14	0.57
		PM _{2.5}	0.04	0.17
S-A-30	Transfer to Limestone Pile in	PM	0.82	3.24
	Raw Material Storage Building South	PM ₁₀	0.70	2.75
		PM _{2.5}	0.21	0.81
S-A-31	Limestone Pile Reclaim to	PM	0.14	0.57
	Belt 222017	PM ₁₀	0.12	0.49
		PM _{2.5}	0.04	0.14
S-A-32	Transfer to Limestone Bin	PM	0.24	0.95

		PM ₁₀	0.21	0.81
		PM _{2.5}	0.06	0.24
S-A-35	Raw Material Conveying to	PM	0.41	1.62
		PM ₁₀	0.35	
	Feeders to Belt 22146	PM _{2.5}	0.10	0.40
S-A-36	<u> </u>	PM	0.29	1.14
		PM ₁₀	0.25	
		PM _{2.5}	0.07	
S-A-37	Sand/Iron Ore/Alumina/Clay	PM	0.34	
		PM ₁₀	0.29	
	11 o.g. 1 o o o o o o o o o o o o o o o o o o	PM _{2.5}	0.08	
S-A-38	Limestone and Raw Material	PM	0.24	
07.00		PM ₁₀	0.21	
		PM _{2.5}	0.06	
S-B-17		PM	0.39	
0 0 11	Transfer Conveying	PM ₁₀	0.33	I .
		PM _{2.5}	0.10	
S-B-18	Raw Mill to Belt 241635	PM	0.21	
0 0 10	Clay Bins; Clay Bin Weigh Feeders to Belt 22146 Belt Conveyor 213020 to Sand/Iron Ore/Alumina Bins Sand/Iron Ore/Alumina/Clay Weigh Feeders to Belt 222150 Limestone and Raw Material Transfer from Belt 222150 to Belt 222170 Raw Mill Conveying Raw Mill to Belt 241635 Raw Mill to Belt 241400 to Elevator 241415 to Belt 241420 Belt 241420 Transfer to Belt 241421 Belt 241421 Conveying to Raw Silos Belt 241421 to Raw Silos Elevator 241436 Raw Silos Elevator 241436 Raw Silos Elevator 241436 Raw Silos Airslides, West Raw Silos Airslides, Middle Raw Silos Airslides, East Raw Silos Elevator	PM ₁₀	0.18	
S-B-19	Raw Mill to Belt 241400 to			
3 B 13	PM _{2.5} 0.05 0.21			
S-B-20	Lievator 241413 to Beit 241420			I .
S-R-20	Rolt 2/11/20 Transfer to			
J-D-20				
	Delt 241421			I .
C_D_21	Polt 241 421 Convoying to	PM	0.03	
3-D-21	Transfer from Belt 222150 to Belt 222170 -B-17 Raw Mill Conveying -B-18 Raw Mill to Belt 241635 -B-19 Raw Mill to Belt 241400 to Elevator 241415 to Belt 24142 -B-20 Belt 241420 Transfer to Belt 241421 -B-21 Belt 241421 Conveying to Raw Silos -B-22 Belt 241421 to Raw Silos Elevator 241436 -B-23 Raw Silos Elevator 241436 to Belt 241437 and Airslides to Silos	PM ₁₀	0.21	
		PM _{2.5}	0.16	
C D 22	Polt 241421 to	PM	0.03	
3-B-22		PM ₁₀	0.21	
	Feeders to Belt 22146 Belt Conveyor 213020 to Sand/Iron Ore/Alumina Bins Sand/Iron Ore/Alumina/Clay Weigh Feeders to Belt 222150 Limestone and Raw Material Transfer from Belt 222150 to Belt 222170 Raw Mill Conveying Raw Mill to Belt 241635 Raw Mill to Belt 241400 to Elevator 241415 to Belt 241420 Belt 241420 Transfer to Belt 241421 Belt 241421 Conveying to Raw Silos Elevator 241436 Raw Silos Elevator 241436 Raw Silos Elevator 241436 Raw Silos Airslides, West Raw Silos Airslides, Middle Raw Silos Airslides, East Raw Silos Airslides, East	PM _{2.5}	0.16	
C D 22	Day Cilco Flavotor 241 426 to	PM	0.03	
S-B-23			0.21	
		PM ₁₀		
C D 24		PM _{2.5}	0.05	
3-D-24	Raw Silos Alislides, West			
		PM ₁₀	0.05	
S-B-25	Day Cilca Airelidae Middle	PM _{2.5}		0.24 1.62 1.38
S-B-25	Raw Silos Airsildes, Middle	PM	0.06	
		PM ₁₀	0.05	
C D 00	Dow Cilco Airelideo Foot	PM _{2.5}	0.01	
S-B-26	Raw Silos Airsildes, East	PM	0.06	-
		PM ₁₀	0.05	
C D 4	Day Cilo Flavetar	PM _{2.5}	0.01	
S-B-4	Raw Silo Elevator	PM	0.62	
		PM ₁₀	0.52	
C D 46	DTM Davy Cila N	PM _{2.5}	0.15	
S-B-12	BIM Raw Silo, North	PM	0.33	
		PM ₁₀	0.28	
		PM _{2.5}	0.08	
S-B-13	BTM Raw Silo, Center	PM	0.33	1.24

		PM_{10}	0.28	1.05
		PM _{2.5}	0.08	0.31
S-B-14	BTM Raw Silo, South	PM	0.33	1.24
	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	PM ₁₀	0.28	1.05
		PM _{2.5}	0.08	0.31
S-B-27	Feed from Raw Silos Belt	PM	0.21	0.82
0 2 2.	241585 to Belt 241600	PM ₁₀	0.18	0.70
	2 12000 to Boil 2 12000	PM _{2.5}	0.05	0.21
S-B-28	Belt 241600 to Bucket Elevator	PM	0.21	0.82
0 2 20	241820 to Belt 241635	PM ₁₀	0.18	0.70
	2 12020 to Boil 2 12000	PM _{2.5}	0.05	0.21
S-B-29	Kiln Feed Conveying from Raw	PM	0.24	0.94
O D 23	Silos on Belt 241635	PM ₁₀	0.20	0.80
	01103 011 BGR 241000	PM _{2.5}	0.06	0.23
S-C-34	Kiln Feed Bin and Conveying to	PM	0.38	1.50
J U J-	Elevator 241720	PM ₁₀	0.32	1.27
	Licvator 241720	PM _{2.5}	0.10	0.37
S-C-35	Kiln Feed Bucket Elevator	PM	0.24	0.96
J-C-33	241720 to Belt 241725 to Kiln	PM ₁₀	0.21	0.81
	241720 to Belt 241723 to Kill	PM _{2.5}	0.06	0.24
S-C-31	Clinker Cooler (CC) Baghouse #1	PM (filterable)	1.00	3.94
3-0-31	Clinker Cooler (CC) Bayriouse #1	PM (Total)	1.86	6.78
		. ,	1.41	5.16
		PM ₁₀ (Total)		2.71
0.00/00	CC Paghouses #2 and #2	PM _{2.5} (Total)	0.74	· · · · · · · · · · · · · · · · · · ·
S-C-32/33	CC Baghouses #2 and #3 (Combined Stack)	PM (filterable)	2.00 3.32	7.88
		PM (Total)		13.57
		PM ₁₀ (Total)	2.82	10.31
C C 07	Clinker Cooley Transfer to	PM _{2.5} (Total)	1.49	5.43
S-C-37	Clinker Cooler Transfer to	PM	0.21	0.84
	Clinker Cooler Pan Conveyor	PM ₁₀	0.18	0.72
0.0.40	330500	PM _{2.5}	0.05	0.21
S-C-40	Clinker Conveyor 330500 to	PM	0.24	0.94
	Elevator 330610, to Belts	PM ₁₀	0.20	0.80
	330630/330640 or to Transition Silo Elevator	PM _{2.5}	0.06	0.23
S-C-46	Upset Clinker Bin	PM	0.29	1.12
	·	PM ₁₀	0.24	0.96
		PM _{2.5}	0.07	0.28
S-C-47	Clinker Belt Conveyor	PM	0.24	0.94
	330790 (West)	PM ₁₀	0.20	0.80
	,	PM _{2.5}	0.06	0.23
S-C-48	Clinker Belt Conveyor	PM	0.24	0.94
	330770 (East)	PM ₁₀	0.20	0.80
	, 7	PM _{2.5}	0.06	0.23
S-C-49	Clinker Belt 330790 to Belt	PM	0.43	1.69
	330860 (West)	PM ₁₀	0.36	1.43
	100000 (11000)	PM _{2.5}	0.11	0.42
S-C-50	Clinker Belt 330770 to Belt	PM	0.33	1.31
2 2 30	330771 to Belt 330773 (East)	PM ₁₀	0.28	1.12
	500171 to Belt 500175 (East)	PM _{2.5}	0.28	0.33
S-C-57	Belt 330776 (East)/Belt 330860	PM	0.24	0.95

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(West) to Clinker/Additive Storage Building

		PM ₁₀	0.21	0.81
		PM _{2.5}	0.06	0.24
S-C-58	Bin #A – Main/Offspec Clinker	PM	0.29	1.14
		PM ₁₀	0.25	0.97
		PM _{2.5}	0.07	0.29
S-C-59	Bin #B – Main/Offsnec Clinker	PM	0.24	0.95
0 0 00		PM ₁₀	0.21	0.81
	Bin #B – Main/Offspec Clinker or Limestone C-60 Bin #C/D – Gypsum, Slag, or Limestone C-61 Bin #E – FM#6 Fast Track Feed Bin – Clinker/Limestone C-62 Bin #F – Main/Offspec Clinker C-63 Bin #G – Limestone/Offspec Clinker C-64 Bins #H/I – Gypsum, Slag or Limestone C-65 Bin #J – Main Clinker C-66 Calcium Hydroxide Storage Tanl D-14 South Drag Conveyor – Finish Tunnel D-19 North Drag Conveyor – Finish Tunnel B-15 FM #7 Discharge from Finish Tunnel to Elevator 509545 to Belt 509560	PM _{2.5}	0.06	0.24
S-C-60	Bin #C/D – Gynsum Slag or	PM	0.24	0.95
0 0 00	7.	PM ₁₀	0.21	0.81
	Limestone	PM _{2.5}	0.06	0.24
S-C-61	Bin #F _ FM#6 Fast Track Feed	PM	0.24	0.95
3 0 01		PM ₁₀	0.21	0.81
	Biri — Cilirici/LiricStoric	PM _{2.5}	0.06	0.24
S-C-62	Rin #E Main/Offence Clinker	PM	0.24	0.95
3-0-02	Bill #1 - Maill/Olispec Clilikei	PM ₁₀	0.21	0.81
	C-63 Bin #G – Limestone/Offspec Clinker C-64 Bins #H/I – Gypsum, Slag or Limestone	PM _{2.5}	0.21	0.81
S C 62	Bin #B – Main/Offspec Clinker or Limestone Bin #C/D – Gypsum, Slag, or Limestone Bin #E – FM#6 Fast Track Feed Bin – Clinker/Limestone Bin #F – Main/Offspec Clinker Bin #G – Limestone/Offspec Clinker Bins #H/I – Gypsum, Slag or Limestone Bin #J – Main Clinker Calcium Hydroxide Storage Tank South Drag Conveyor – Finish Tunnel North Drag Conveyor – Finish Tunnel FM #7 Discharge from Finish Tunnel to Elevator 509545 to Belt 509560 FM #7 Conveying – Belt 509560 to 509565 to 509575	PM	0.06	0.24
S-C-03	· ·			
	Cillikei			0.81 0.24
C C C 4	Disc #1.1/1 Company Class or			
S-C-64	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.95		
S-C-65	Limestone			0.81
0.0.05	5: "7 11 : 0!: 1			0.24
S-C-65	Bin #J – Main Clinker			0.95
				0.81
		PM _{2.5}	0.06	0.24
S-C-66	Limestone C-65 Bin #J – Main Clinker C-66 Calcium Hydroxide Storage Tank D-14 South Drag Conveyor –	PM	0.12	<0.01
		PM ₁₀	0.11	<0.01
		PM _{2.5}	0.03	<0.01
S-D-14	Limestone -C-61 Bin #E – FM#6 Fast Track Feed Bin – Clinker/Limestone -C-62 Bin #F – Main/Offspec Clinker -C-63 Bin #G – Limestone/Offspec Clinker -C-64 Bins #H/I – Gypsum, Slag or Limestone -C-65 Bin #J – Main Clinker -C-66 Calcium Hydroxide Storage Tank -D-14 South Drag Conveyor – Finish Tunnel -D-19 North Drag Conveyor – Finish Tunnel -B-15 FM #7 Discharge from Finish Tunnel to Elevator 509545 to Belt 509560 -B-7 FM #7 Conveying – Belt 509560 to 509575 -D-20 FM #6 Discharge from Finish	PM	0.74	2.91
	Finish Tunnel	PM ₁₀	0.63	2.48
		PM _{2.5}	0.18	0.73
S-D-19		PM	0.74	2.91
	Finish Tunnel	PM ₁₀	0.63	2.48
		PM _{2.5}	0.18	0.73
S-B-15	FM #7 Discharge from Finish	PM	0.34	1.33
		PM ₁₀	0.29	1.13
Bin	Belt 509560	PM _{2.5}	0.08	0.33
S-B-7	FM #7 Conveying – Belt 509560	PM	0.46	1.81
	to 509565 to 509575	PM ₁₀	0.39	1.54
		PM _{2.5}	0.11	0.45
S-D-20	FM #6 Discharge from Finish	PM	0.16	0.65
	Tunnel to Bucket Elevator	PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-21	Finish Mill #6 Feed Belt	PM	0.16	0.65
		PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-22	Finish Mill #6 Separator and	NO _x	0.73	2.87
	Air Heater (20 MMBtu/hr)	CO	0.50	1.96
	/ III Froator (25 Minibarili)	VOC	0.11	0.43
		SO ₂	0.01	0.05

		PM	5.19	20.48
		PM ₁₀	4.42	17.40
		PM _{2.5}	1.30	5.12
S-D-23	FM #6 Air Slide Discharge to	PM	0.16	0.65
	Cement Silos Bucket Elevator	PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-28	Belt 501058 Discharge to	PM	0.27	1.07
	Bucket Elevator and FM #6	PM ₁₀	0.23	0.91
	Air Slides	PM _{2.5}	0.07	0.27
S-D-29	FM #6 Air Slides to Westernmost	PM	0.22	0.87
	Cement Silos	PM ₁₀	0.19	0.74
	D-31 FM #6 Air Slides to East Cement Silos	PM _{2.5}	0.05	0.22
S-D-30	FM #6 Air Slides to West Cement	PM	0.22	0.87
			0.19	0.74
			0.05	0.22
S-D-31	FM #6 Air Slides to East Cement		0.22	0.87
			0.19	0.74
	FM #6 Air Slide Discharge to Cement Silos Bucket Elevator Belt 501058 Discharge to Bucket Elevator and FM #6 Air Slides FM #6 Air Slides to Westernmost Cement Silos FM #6 Air Slides to West Cement Silos FM #6 Air Slides to East Cement PM PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5} PM PM ₁₀ PM	0.05	0.22	
S-D-32	Conveying from FM#7 Belt		0.17	0.66
0 0 02			0.14	0.56
530705 to FM #6 Bucket Elevator FM #6 Airslides to East Cement Silos 13 to 15 FM #6 Airslides to East Cement		0.04		
S-D-33			0.06	
0 0 00			0.05	0.16 0.24 0.20 0.06 0.24 0.20
	Silos 13 to 15 FM #6 Airslides to East Cement		0.01	
	EM #6 Airclides to East Cement	i e	0.06	
		0.05		
	31103 10 to 10		0.01	0.06
S D 50	Polt 500575 to EM#7 and Polt		0.34	1.33
3-0-30			0.29	1.13
Belt 509575 to FM#7 and Belt 507200		0.29	0.33	
S-D-51	FM #7 Main Baghayaa	i e		14.39
2-0-21	FM #7 Main Baynouse		3.65	12.23
			0.91	3.60
S-D-52	EM #7 Dualest Flouritor F071F0			
S-D-52			0.29	1.14
	to Air Separator		0.25	0.97
0.0.50	FNA //Z Air Computer		0.07	0.29
S-D-53	FM #7 Air Separator		0.63	2.49
			0.54	2.11
0 5 5 4			0.16	0.62
S-D-54	FM #7 Off-Spec Bin		0.14	0.55
			0.12	0.47
			0.04	0.14
S-D-55	FM #7 Air Slide to Cement Silos		0.21	0.81
			0.17	0.69
			0.05	0.20
S-D-56	FM #7 Fly Ash Silo		0.24	0.95
		PM ₁₀	0.21	0.81
		PM _{2.5}	0.06	0.24
S-D-57	FM #7 Belt 530705 to Bucket	PM	0.17	0.66
	Elevator 530710	PM ₁₀	0.14	0.56
		PM _{2.5}	0.04	0.16

S-D-58	Bucket Elevator 530710 to Belt	PM	0.14	0.54
	530715 to Belt 530730	PM ₁₀	0.12	0.46
		PM _{2.5}	0.03	0.14
S-D-59	Belt 530730 to Belts	PM	0.10	0.39
	530786/530756/530816	PM ₁₀	0.08	0.33
	000100/000100/000020	PM _{2.5}	0.02	0.10
S-D-60	Belt 530786 to West Cement	PM	0.09	0.34
0 0 00	Silos 1 to 6	PM ₁₀	0.07	0.29
		PM _{2.5}	0.02	0.08
S-D-61	Belt 530756 to West Cement	PM	0.05	0.22
0 0 01	Silos 7 to 12	PM ₁₀	0.05	0.18
	01100 7 10 12	PM _{2.5}	0.01	0.05
S-D-62	Belt 530816 to East Cement Silos	PM	0.04	0.16
3-D-02	Delt 330010 to East Cement 31103	PM ₁₀	0.03	0.13
		PM _{2.5}	0.01	0.13
S-D-63	FM #7 Airslides to East Cement	PM	0.06	0.24
J-U-UJ	Silos 13 to 15	PM ₁₀	0.05	0.20
	21102 12 10 12	PM _{2.5}	0.05	0.20
C D 64	FM #7 Airslides to East Cement			
S-D-64		PM	0.06	0.24
	D-7 Westernmost Masonry Cement Silo	PM ₁₀	0.05	0.20
0.0.7	W/	PM _{2.5}	0.01	0.06
S-D-7		PM	0.16	0.65
	SIIO	PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-5	Westernmost Cement Silos	PM	0.16	0.65
		PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-36	West Cement Silos	PM	0.16	0.65
	-D-36 West Cement Silos	PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-6	East Cement Silos	PM	0.16	0.65
		PM ₁₀	0.14	0.55
		PM _{2.5}	0.04	0.16
S-D-37	Westernmost Cement Silos	PM	0.08	0.32
	Reclaim Belt 530222 No. 1	PM_{10}	0.07	0.28
		PM _{2.5}	0.02	0.08
S-D-38	Westernmost Cement Silos	PM	0.08	0.32
	Reclaim Belt 530222 No. 2	PM ₁₀	0.07	0.28
		PM _{2.5}	0.02	0.08
S-D-39	Westernmost Cement Silos	PM	0.08	0.32
	Reclaim Belt 530222 No. 3	PM ₁₀	0.07	0.28
		PM _{2.5}	0.02	0.08
S-D-40	West Cement Silos Reclaim	PM	0.08	0.32
	Belt 530262 No. 1	PM ₁₀	0.07	0.28
		PM _{2.5}	0.02	0.08
S-D-41	West Cement Silos Reclaim	PM	0.08	0.32
· · · · · -	Belt 530262 No. 2	PM ₁₀	0.07	0.28
	_ = = = = = = = = = = = = = = = = = = =	PM _{2.5}	0.02	0.08
S-D-42	West Cement Silos Reclaim	PM	0.08	0.32
	Belt 530262 No. 3	PM ₁₀	0.07	0.28

S-D-43	Fast Cement Silos Reclaim	PM	0.08	0.32
0 0 40	Belt 530306 No. 1 D-44 East Cement Silos Reclaim Belt 530306 No. 2 D-45 East Cement Silos Reclaim Belt 530306 No. 3 D-46 Westernmost Cement Silos Belt 530222 to Bucket Elevato D-47 West Cement Silos Belt 530262 to Bucket Elevator D-48 East Cement Silos Reclaim Belt 530306 to Bucket Elevato E-27 Rail Loading Silo #1 E-28 Rail Loading Silo #2 E-29 Rail Loading Silo #1 Loadout E-30 Rail Loading Silo #2 Loadout E-30 Discharge to South End Truck Loading Bins E-8 Discharge to North End Truck Loadout Bins E-34 South End Truck Loading Bins Loadout E-31 North End Truck Loadout Spout	PM ₁₀	0.07	0.28
	Delt 330300 No. 1	PM _{2.5}	0.02	0.08
S-D-44	Fast Cement Silos Reclaim	PM	0.08	0.32
3-D-44	Belt 530306 No. 1 East Cement Silos Reclaim Belt 530306 No. 2 East Cement Silos Reclaim Belt 530306 No. 3 Westernmost Cement Silos Belt 530222 to Bucket Elevator West Cement Silos Belt 530262 to Bucket Elevator East Cement Silos Reclaim Belt 530306 to Bucket Elevator Rail Loading Silo #1 Rail Loading Silo #2 Rail Loading Silo #2 Rail Loading Silo #2 Loadout Discharge to South End Truck Loading Bins Discharge to North End Truck Loadout Bins South End Truck Loading Bins Loadout	PM ₁₀	0.07	0.28
		PM _{2.5}	0.02	0.08
S-D-45	Fast Coment Silos Reclaim	PM	0.08	0.32
3-D-43		PM ₁₀	0.07	0.28
	Delt 330300 No. 3	PM _{2.5}	0.02	0.08
S-D-46	Westernmost Coment Siles	PM	0.25	0.97
3-D-40		PM ₁₀	0.23	0.83
	Deit 330222 to Bucket Lievator	PM _{2.5}	0.06	0.83
C D 47	West Coment Ciles Belt E20262	PM		
5-D-41			0.25 0.21	0.97
	to Bucket Elevator	PM ₁₀		
C D 40	Foot Comment Ciles Deplains	PM _{2.5}	0.06	0.24
S-D-48		PM	0.25	0.97
	Belt 530306 to Bucket Elevator	PM ₁₀	0.21	0.83
		PM _{2.5}	0.06	0.24
S-E-27	Rail Loading Silo #1	PM	0.33	1.30
		PM ₁₀	0.28	1.10
		PM _{2.5}	0.08	0.32
S-E-28	Rail Loading Silo #2	PM	0.33	1.30
0.5.00		PM ₁₀	0.28	1.10
		PM _{2.5}	0.08	0.32
S-E-29	Rail Loading Silo #1 Loadout	PM	0.15	0.58
J-L-29		PM ₁₀	0.13	0.50
		PM _{2.5}	0.04	0.15
S-E-30	Rail Loading Silo #2 Loadout	PM	0.15	0.58
	-E-29 Rail Loading Silo #1 Loadout -E-30 Rail Loading Silo #2 Loadout -E-33 Discharge to South End Truck	PM ₁₀	0.13	0.50
		PM _{2.5}	0.04	0.15
S-E-33	Discharge to South End Truck	PM	0.28	1.11
	Loading Bins	PM ₁₀	0.24	0.94
		PM _{2.5}	0.07	0.28
S-E-8	Discharge to North End	PM	0.12	0.49
	Truck Loadout Bins	PM ₁₀	0.10	0.41
		PM _{2.5}	0.03	0.12
S-E-34	South End Truck Loading Bins	PM	0.11	0.42
	_	PM ₁₀	0.09	0.36
		PM _{2.5}	0.03	0.10
S-E-1	North End Truck Loadout Spout	PM	0.39	1.55
	•	PM ₁₀	0.34	1.32
	-1	PM _{2.5}	0.10	0.39
S-E-9	Discharge to North End Truck	PM	0.16	0.64
- - •	Loadout Bins	PM ₁₀	0.14	0.54
		PM _{2.5}	0.04	0.16
S-E-4	No. 1 Packing Machine	PM	0.71	2.79
J = 1	Total asking machine	PM ₁₀	0.60	2.37
		PM _{2.5}	0.18	0.70
		1 1417.2	0.10	
S-F-5	No. 2 Packing Machine	PM	0.71	2 70
S-E-5	No. 2 Packing Machine	PM PM ₁₀	0.71	2.79 2.37

S-E-6	No. 3 Packing Machine	PM	0.71	2.79
0 2 0	TVO. OT COMING WICE MINE	PM ₁₀	0.60	2.37
		PM _{2.5}	0.18	0.70
S-E-7	No. 4 Packing Machine	PM	0.71	2.79
3 L 1	140. 41 deking Machine	PM ₁₀	0.60	2.37
		PM _{2.5}	0.18	0.70
S-G-25	Carbon Black Silo	PM	0.08	0.70
3-0-23	Carbon Black Silo	PM ₁₀	0.07	0.27
		PM _{2.5}	0.02	0.08
S-G-26	Coal/Coke Conveying to Screen	PM	0.08	0.32
3-0-20	Coal/Coke Conveying to Screen	PM ₁₀	0.07	0.28
		PM _{2.5}	0.02	0.28
S-G-27	Coal/Coke Crusher	PM	0.33	1.30
3-0-21	Coal/Coke Clusilei	PM ₁₀	0.28	1.10
		PM _{2.5}	0.28	0.32
S-G-28	Coal/Coke Screening	PM	0.66	2.61
3-G-20	and Conveying	PM ₁₀	0.56	2.22
	and Conveying	PM _{2.5}	0.30	0.65
S-G-3	Eviating Calid Fuel City Cake	i	0.17	
S-G-3	Existing Solid Fuel Silo - Coke	PM PM ₁₀	0.18	0.84
	(West Silo)	PM _{2.5}	0.05	0.72
C C 2	Eviating Calid Eval City Coal			
S-G-2	Existing Solid Fuel Silo - Coal	PM	0.37	1.46
	(East Silo)	PM ₁₀	0.31	1.24
0.0.01		PM _{2.5}	0.09	0.36
	Coal/Coke Ball Mill	PM	3.37	13.27
		PM ₁₀	2.86	11.28
0.0.00	D 1 . 10 1/0 1 B:	PM _{2.5}	0.84	3.32
S-G-32	Pulverized Coal/Coke Bins	PM	0.18	0.70
		PM ₁₀	0.15	0.60
F+ Olimber Cite		PM _{2.5}	0.04	0.18
	Emission Sources (10)	D14	1.00	T = 00
S-C-41	Belt 330630 to East Clinker Silo	PM	1.28	5.06
		PM ₁₀	1.09	4.30
		PM _{2.5}	0.32	1.26
S-C-43	East Clinker Storage Silo	PM	0.27	1.07
	Reclaim Belt 330670 to	PM ₁₀	0.23	0.91
	Elevator 330690	PM _{2.5}	0.07	0.27
S-C-45	Clinker Elevators	PM	0.57	2.25
	330690/330740 to Belts	PM ₁₀	0.48	1.91
	330790/330770	PM _{2.5}	0.14	0.56
West Clinker Sil	o Emission Sources (10)			
S-C-42	Belt 330640 to West Clinker Silo	PM	1.28	5.06
		PM ₁₀	1.09	4.30
		PM _{2.5}	0.32	1.26
S-C-44	West Clinker Storage Silo Reclaim	PM	0.27	1.07
	Belt 330720 to Elevator 330740	PM ₁₀	0.23	0.91
		PM _{2.5}	0.07	0.27
S-C-45	See East Clinker Silo Emission Sou	rces (above)		
South Clinker Si	lo Emission Sources (10)			
S-C-71	Belt 330630 to South Clinker Silo	PM	0.14	0.56

		PM _{2.5}	0.04	0.14
S-C-72	South Clinker Silo	PM	0.52	2.06
		PM ₁₀	0.44	1.75
		PM _{2.5}	0.13	0.52
S-C-73	South Clinker Silo Reclaim Belt	PM	0.24	0.94
	and Elevator to Belts	PM ₁₀	0.20	0.80
	asion Sources (10) Transition Clinker Silo Reclaim Belt and Upset Bin Reclaim Belt to Elevator 330840 to Belts 330790/330770 Clinker Transfer to Transition Clinker Silo Elevator; Discharge from Transition Silo to Reclaim Belt or Truck Transfer from Transition Clinker Silo Elevator to Transition Clinker Silo Elevator to Transition Clinker Silo to Craneway/Clinker Pile To Silo to Craneway/Clinker Pile To Silo Elevator to Transition Clinker Silo to Craneway/Clinker Pile To Material Drops (9) Polio Pilo Polio Pil	0.06	0.23	
Transition Clink	er Silo Emission Sources (10)			
S-C-39	Transition Clinker Silo Reclaim	PM	0.43	1.69
	Belt and Upset Bin Reclaim Belt to	PM_{10}	0.36	1.43
		PM _{2.5}	0.11	0.42
S-C-68		PM	0.38	1.50
			0.32	1.27
	from Transition Silo to Reclaim		0.10	0.37
S-C-69		PM	0.38	1.50
			0.32	1.27
			0.10	0.37
F-C-70 (9)	Hauling of Clinker from Transition		0.07	0.25
()		PM_{10}	0.01	0.05
	gitive Emissions from Material Drops (9)	PM _{2.5}	< 0.01	0.01
Fugitive Emission	ons from Material Drops (9)	2.0	"	<u> </u>
F-A-8		PM	8.21	29.96
			3.88	14.17
			1.22	4.45
F-A-25	Limestone Truck Dump to		5.75	20.98
	-		2.72	9.92
			0.85	3.12
F-A-33	Raw Material Truck Dump to		0.62	2.25
		PM ₁₀	0.29	1.07
		PM _{2.5}	0.09	0.33
F-A-34	Clay and Additives Transfer from	PM	0.88	3.22
		PM ₁₀	0.42	1.52
		PM _{2.5}	0.13	0.48
South Clinker Silo Recand Elevator to Belts 330790/330770 Fransition Clinker Silo Emission Sources Transition Clinker Silo Belt and Upset Bin Re Elevator 330840 to Be 330790/330770 G-C-68 Clinker Transfer to Traclinker Silo Elevator; Inform Transition Silo to Belt or Truck G-C-69 Transfer from Transition Silo Elevator to Transision Elevator to Transision Elevator to Transision Silo Elevator to Transision to Craneway/Clinker F-A-8 Quarry Loader Drop to E-A-8 Quarry Loader Drop to Additive Hopper G-A-33 Raw Material Truck Duard Hopper G-A-34 Clay and Additives Transfer to Belt Converses and Additives Transfer to Reject Bin Reject Bin Loadout to E-B-31 Reject Bin Loadout to E-C-53 Gypsum/Anhydrite Transfer to Limestone Transfer Lime	Transfer to Reject Bin	PM	<0.01	0.02
	,	PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
F-B-31	Reject Bin Loadout to Truck	PM	<0.01	0.02
	,	PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
F-C-53	Gypsum/Anhydrite Transfer to	PM	0.09	0.35
	''	PM ₁₀	0.04	0.16
		PM _{2.5}	0.01	0.05
F-C-54	Limestone Transfer to Bins	PM	0.13	0.47
	1. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PM ₁₀	0.06	0.22
		PM _{2.5}	0.02	0.07
F-C-56	Off-Spec Clinker Transfer to	PM	0.03	0.12
. 000		PM ₁₀	0.02	0.06
		PM _{2.5}	<0.01	0.02
F 0 00	Dump to Alternate Fuel Happer	PM	0.53	1.95

		PM ₁₀	0.25	0.92
		PM _{2.5}		
F-G-37	Hopper to Conveyor/Weighfeeder	PM		
1-0-37	Tropper to Conveyor/Weighteeder	PM ₁₀		
		PM _{2.5}	0.25 0.92 0.08 0.29 0.53 1.95 0.25 0.92 0.08 0.29 0.05 0.18 0.02 0.09 0.01 0.03 0.02 0.09 0.01 0.04 <0.01	
F-G-7	Rail Car Drop to Coal System	PM		
r-G-1	Hopper	PM ₁₀		
	Порреі	PM _{2.5}		
F-G-8	Dail Car Fooder Drop to Cool Bolt	PM		
F-G-0	Rail Car Feeder Drop to Coal Belt	PM ₁₀		
F C 22	Cool Cilco Foodoro Dron to Polt	PM _{2.5}		
F-G-23	Coal Silos Feeders Drop to Bell	PM		
	-21 Coal Loader Drop to Belt -24 Coal Hopper Drop to Belt	PM ₁₀		
F 0 01	0 11 5 5 1 5 1	PM _{2.5}		
F-G-21	Coal Loader Drop to Belt	PM		
	G-24 Coal Hopper Drop to Belt	PM ₁₀		
		PM _{2.5}		
F-G-24	Coal Hopper Drop to Belt	PM		
		PM ₁₀		l l
	G-20 Coal Return Belt Transfer Drop	PM _{2.5}		
F-G-20 Co	Coal Return Belt Transfer Drop	PM		
		PM ₁₀		
		PM _{2.5}		
F-G-29	Coal/Coke Conveyor 355250 to 355310	PM		0.18
		PM ₁₀	0.02	l l
		PM _{2.5}	0.01	0.03
F-G-30	Coal/Coke Conveyor 355310 to Ball Mill	PM	0.05	0.18
		PM_{10}	0.02	0.09
		PM _{2.5}	0.01	0.03
Fugitive Emiss	sions From Outdoor Storage Piles (wind	erosion and drops to p		
F-B-33	Reject Materials Landfill Pile	PM	0.33	1.20
	Ball Mill ugitive Emissions From Outdoor Storage Piles (win	PM_{10}	0.17	0.60
		PM _{2.5}	0.07	0.24
F-A-14	Gypsum/Anhydrite Pile	PM	0.06	0.22
	, ,	PM ₁₀	0.03	0.11
	G-30 Coal/Coke Conveyor 355310 to Ball Mill Igitive Emissions From Outdoor Storage Piles (win B-33 Reject Materials Landfill Pile A-14 Gypsum/Anhydrite Pile	PM _{2.5}	0.01	0.04
F-A-15	Limestone Pile	PM	0.06	0.22
		PM ₁₀	0.03	0.11
		PM _{2.5}		
T C EE	Off-Spec Clinker Pile			
F-C-55	Off-Spec Clinker Pile	I PM	1 0.03	0.12
F-C-55	Off-Spec Clinker Pile	PM PM ₁₀		
F-U-55	Off-Spec Clinker Pile	PM ₁₀	0.02	0.06
		PM ₁₀ PM _{2.5}	0.02 0.01	0.06 0.02
F-G-33	Off-Spec Clinker Pile Alternate Fuel Storage Building	PM ₁₀ PM _{2.5} PM	0.02 0.01 0.06	0.06 0.02 0.21
		PM ₁₀ PM _{2.5} PM PM ₁₀	0.02 0.01 0.06 0.03	0.06 0.02 0.21 0.11
F-G-33	Alternate Fuel Storage Building	PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5}	0.02 0.01 0.06 0.03 0.01	0.06 0.02 0.21 0.11 0.04
F-G-33		PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5}	0.02 0.01 0.06 0.03 0.01 0.01	0.06 0.02 0.21 0.11 0.04 0.04
F-G-33	Alternate Fuel Storage Building	PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5}	0.02 0.01 0.06 0.03 0.01 0.01 0.01	0.06 0.02 0.21 0.11 0.04 0.04 0.02
F-G-33 F-G-35	Alternate Fuel Storage Building Day Storage Alternate Fuel Pile	PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5} PM PM ₁₀	0.02 0.01 0.06 0.03 0.01 0.01 0.01 <0.01	0.06 0.02 0.21 0.11 0.04 0.04 0.02 0.01
	Alternate Fuel Storage Building	PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5} PM PM ₁₀ PM _{2.5}	0.02 0.01 0.06 0.03 0.01 0.01 0.01	0.06 0.02 0.21 0.11 0.04 0.04 0.02

F-A-13	Coke Storage Pile	PM	0.02	0.09
		PM ₁₀	0.01	0.05
		PM _{2.5}	<0.01	0.02
Fugitive Emis	ssions from Roadways (9)			
F-A-3	Quarry Loader Road Emissions	PM	1.26	4.59
		PM ₁₀	0.36	1.31
		PM _{2.5}	0.05	0.20
F-M-1	Quarry Trucks Road Emissions	PM	15.22	55.55
		PM ₁₀	4.33	15.80
		PM _{2.5}	0.66	2.42
F-A-23	Raw Material Deliveries	PM	3.16	11.52
	Road Emissions	PM ₁₀	0.62	2.25
		PM _{2.5}	0.15	0.56
F-B-32	Reject Material Road Emissions	PM	0.03	0.10
	C-38 Ammonia Delivery – Road Emissions	PM ₁₀	0.01	0.03
		PM _{2.5}	<0.01	<0.01
F-C-38		PM	<0.01	0.01
	Road Emissions	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
F-C-51		PM	0.94	3.45
	Road Emissions	PM ₁₀	0.27	0.98
		PM _{2.5}	0.04	0.15
F-C-52		PM	0.35	1.28
	Road Emissions	PM ₁₀	0.07	0.25
		PM _{2.5}	0.02	0.06
F-C-67		PM	<0.01	0.01
	Road Emissions	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
F-C-52 F-C-67 F-A-24	Fuel Deliveries – Road Emissions	PM	0.85	3.10
	C-67 Calcium Hydroxide – Road Emissions A-24 Fuel Deliveries – Road Emissions	PM ₁₀	0.17	0.60
		PM _{2.5}	0.04	0.15
F-E-26	Product Trucks - Road Emissions	PM	5.33	19.47
		PM ₁₀	1.04	3.80
	Quarry Trucks Road Emissions Raw Material Deliveries Road Emissions Reject Material Road Emissions Ammonia Delivery – Road Emissions Limestone Additive – Road Emissions FM Additives Deliveries – Road Emissions Calcium Hydroxide – Road Emissions	PM _{2.5}	0.26	0.95
F-G-34		PM	0.20	0.75
	Road Emissions	PM ₁₀	0.04	0.15
		PM _{2.5}	0.01	0.04
		Love	1004	1045
F-A-1	Blasting Hole Drilling	PM	0.04	0.15
		PM ₁₀	0.02	0.07
E 4 40	- In the second	PM _{2.5}	0.01	0.02
F-A-10	Biasting	PM	0.31	1.12
		PM ₁₀	0.16	0.58
		PM _{2.5}	0.01	0.03
		1,100	0.04	0.04
L-47		VOC	0.24	0.94
L-48		VOC	<0.01	<0.01
L-49	• /	VOC	<0.01	<0.01
L-50	Ÿ .	VOC	<0.01	<0.01
L-51	Diesel Fueling (Main)	VOC	<0.01	<0.01

L-52 Diesel Fueling (Quarry)	VOC	<0.01	<0.01	
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- (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) NO_x total oxides of nitrogen, collectively expressed (calculated) as nitrogen dioxide

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1

 SO_2 - sulfur dioxide H_2SO_4 - sulfuric acid

PM - particulate matter emissions, as defined in 30 TAC § 101.1, including PM_{10} and $PM_{2.5}$

PM₁₀ - particulate matter emissions equal to or less than 10 microns in diameter, including PM_{2.5}

PM_{2.5} - direct particulate matter emissions equal to or less than 2.5 microns in diameter, including H₂SO₄

HCI - hydrogen chloride

Hg - mercury

- (4) Compliance with all annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Compliance with the lb/hr emission rates for NO_x, CO, and Hg is based on a 30-day rolling average.
- (6) Compliance with the lb/hr emission rate for SO₂ is based on a 3-hour rolling average.
- (7) Compliance with the lb/hr emission rate for pollutants not continuously monitored and for filterable PM (monitored with a continuous parameter monitoring system) is based on the average of three one-hour test runs.
- (8) Compliance with the lb/hr emission rate for HCl is based on a 30-day rolling average if a continuous emissions monitoring system for HCl is used to comply with the Portland Cement MACT.
- (9) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.
- (10)Only one of the following four groups: East Clinker Silo Emission Sources (EPNs S-C-41, S-C-43, and S-C-45); West Clinker Silo Emission Sources (EPNs S-C-42, S-C-44, and S-C-45); South Clinker Silo Emission Sources (EPNs S-C-71, S-C-72, and S-C-73); and Transition Clinker Silo Emission Sources (EPNs S-C-39, S-C-68, S-C-69, and F-C-70); is operational at any given time.

Date:	Julv 6. 2017