#### Permit Numbers 6048 and PSDTX74M2

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		
NO. (1)	o. (1)		lbs/hour	TPY (4)	
PS-1	Clay Crusher Baghouse	PM	0.32	1.35	
		PM <sub>10</sub>	0.16	0.68	
PS-2	Clay Belt Transfer Baghouse	РМ	0.32	1.35	
		PM <sub>10</sub>	0.16	0.68	
PS-3	Raw Aeropol Cyclone	РМ	2.17	9.10	
		PM <sub>10</sub>	1.08	4.54	
PS-4	Blending Silo Baghouse	PM	1.60	6.74	
		PM <sub>10</sub>	0.80	3.37	
PS-5	Rail Hopper Belt Baghouse	РМ	1.04	4.35	
		PM <sub>10</sub>	0.52	2.18	
PS-6	Coal/Gypsum Belt Transfer Baghouse	РМ	0.32	1.35	
	Dagnouse	PM <sub>10</sub>	0.16	0.68	
PS-7	Tri-Gate Diverter Baghouse	РМ	0.32	1.35	
		PM <sub>10</sub>	0.16	0.68	
PS-8	Coal Belt Transfer Baghouse	РМ	0.56	2.36	
		PM <sub>10</sub>	0.28	1.18	
PS-9	Coal/Coke Silos Baghouse	РМ	0.48	2.02	
		PM <sub>10</sub>	0.24	1.01	
PS-10	Coal Mill Cyclone Baghouse	РМ	4.49	18.87	
		PM <sub>10</sub>	2.25	9.43	

PS-11	Coal Bin Passive Bag Filter	РМ	0.03	0.13
		PM <sub>10</sub>	0.02	0.07
PS-12	Coke Bin Passive Bag Filter	PM	0.03	0.13
		PM <sub>10</sub>	0.02	0.07
PS-13	Solid Fuel Pump Feeders Baghouse	PM	0.80	3.37
		PM <sub>10</sub>	0.40	1.68
PS-14	Kiln Feed Bucket Elevator Baghouse	PM	0.48	2.02
3.03.00	PM <sub>10</sub>	0.24	1.01	
PS-15	Kiln Feed Buffer Bin Baghouse	PM	0.80	3.37
		PM <sub>10</sub>	0.40	1.68
PS-16	Kiln No. 1 Main Baghouse (11)	PM (FH +BH)	22.36	84.10
		PM <sub>10</sub> (FH + BH)	20.49	77.83
		VOC	13.10	44.00
		NO <sub>x</sub> (8)	744	(7)
		SO <sub>2</sub> (9)	106	(7)
		CO (10)	772	(7)
		HCI	2.11	8.86
		NH <sub>3</sub>	1.31	5.5
PS-16A	Kiln 1 Main Bucket Elevator Baghouse	PM	0.04	0.17
	Bugnouse	PM <sub>10</sub>	0.02	0.08
PS-19	Clinker Cooler Drag Chain Baghouse	PM	1.11	4.68
	Bugilouse	PM <sub>10</sub>	0.56	2.34
PS-20	Kiln Line 1 Clinker Cooler Baghouse	PM	7.76	26.08
		PM <sub>10</sub>	5.90	19.82
PS-21	Clinker Loadout Bin Baghouse	PM	0.60	2.63

				4.61
		PM <sub>10</sub>	0.30	1.31
PS-22	Clinker Silos Top Transfers Baghouse	PM	2.23	9.36
		PM <sub>10</sub>	1.11	4.68
PS-23	Clinker Silo No. 1 Feeder Baghouse	PM	0.15	0.65
		PM <sub>10</sub>	0.08	0.33
PS-24	Clinker Silo No. 2 Feeder Baghouse	РМ	0.17	0.75
		PM <sub>10</sub>	0.08	0.33
PS-25	Clinker Silo No. 3 North Baghouse	РМ	0.15	0.65
	PM <sub>10</sub>	0.08	0.33	
PS-26	Clinker Silo No. 3 South Baghouse	PM	0.15	0.65
		PM <sub>10</sub>	0.08	0.33
PS-27	Clinker Silo No. 4 Feeder Baghouse	PM	0.15	0.65
		PM <sub>10</sub>	0.08	0.33
PS-28	Clinker Silo No. 5 Feeder Baghouse	PM	0.15	0.65
		PM <sub>10</sub>	0.08	0.33
PS-29	Clinker Silo No. 6 North Baghouse	PM	0.15	0.65
		PM <sub>10</sub>	0.08	0.33
PS-30	Clinker Silo No. 6 South Baghouse	PM	0.15	0.65
		PM <sub>10</sub>	0.08	0.33
PS-31	Finish Mill Baghouse No. 1	PM	3.58	15.05
		PM <sub>10</sub>	1.79	7.52
PS-32	Cement Cooler No. 1 Transfer Baghouse	PM	0.31	1.30
	Bagnouse	PM <sub>10</sub>	0.15	0.65
PS-33	Finish Mill No. 1 Separator Baghouse	PM	0.80	3.37
	Bagnodoc	PM <sub>10</sub>	0.40	1.68

PS-34	Finish Mill Baghouse No. 2	PM	3.58	15.05
		PM <sub>10</sub>	1.79	7.52
PS-35	Cement Cooler No. 2 Transfer Baghouse	PM	0.31	1.30
	Dagnouse	PM <sub>10</sub>	0.15	0.65
PS-36	Finish Mill No. 2 Separator Baghouse	PM	0.80	3.37
	Dagnouse	PM <sub>10</sub>	0.40	1.68
PS-37	Cement Aeropols Baghouse	PM	0.79	3.31
		PM <sub>10</sub>	0.39	1.66
PS-38	South Aeropol Transfer Baghouse	PM	1.11	4.68
		PM <sub>10</sub>	0.56	2.34
PS-39	North Silo Distribution Baghouse	PM	0.79	3.31
		PM <sub>10</sub>	0.20	0.83
PS-40	North Aeropol Transfer Baghouse	PM	1.11	4.68
		PM <sub>10</sub>	0.56	2.34
PS-41	South Silo Distribution Baghouse	PM	0.79	3.31
		PM <sub>10</sub>	0.39	1.66
PS-42	Loadout Spout No. 1 Baghouse	PM	0.70	2.95
		PM <sub>10</sub>	0.35	1.48
PS-43	Loadout Spout No. 2 Baghouse	PM	0.70	2.95
		PM <sub>10</sub>	0.35	1.48
PS-44	Loadout Spout No. 3 Baghouse	PM	0.70	2.95
		PM <sub>10</sub>	0.35	1.48
PS-45	Regrind Bin Baghouse	PM	0.07	0.27
		PM <sub>10</sub>	0.03	0.14
PS-46	Regrind Cyclone Baghouse	PM	0.26	1.08

	1	DM	0.12	0.54
		PM <sub>10</sub>	0.13	0.54
PS-47	Silo 13 LKD Baghouse	PM	0.19	0.79
		PM <sub>10</sub>	0.10	0.40
PS-48	Silo 14 Alumina Baghouse	РМ	0.21	0.18
		PM <sub>10</sub>	0.10	0.09
PS-49	Slag Silo Filter Vent	РМ	0.15	0.68
		PM <sub>10</sub>	0.08	0.34
PS-50	North Slag Feeder Filter Vent	РМ	0.15	0.68
	PM <sub>10</sub>	0.08	0.34	
PS-51	South Slag Feeder Filter Vent	РМ	0.15	0.68
		PM <sub>10</sub>	0.08	0.34
PS-61	Transfer Tower Clay Baghouse	РМ	0.005	0.02
		PM <sub>10</sub>	0.002	0.01
PS-62	Mill Scale Bin Baghouse	РМ	0.01	0.03
		PM <sub>10</sub>	0.003	0.01
PS-63	Bottom Ash Bin Baghouse	РМ	0.01	0.03
		PM <sub>10</sub>	0.003	0.01
PS-64	Limestone Bin Baghouse	РМ	0.02	0.08
		PM <sub>10</sub>	0.01	0.03
PS-65	Weight Feeder Mill Scale Baghouse	РМ	0.01	0.05
		PM <sub>10</sub>	0.004	0.02
PS-66	Weight Feeder Bottom Ash Baghouse	PM	0.01	0.05
	Dagnouse	PM <sub>10</sub>	0.004	0.02
PS-67	Weight Feeder Limestone Baghouse	PM	0.01	0.05
	Dagnouse	PM <sub>10</sub>	0.004	0.02

PS-68	Weight Feeder Clay Baghouse	PM	0.01	0.05
		PM <sub>10</sub>	0.004	0.02
PS-69	Additives Belt Conveyor Baghouse	PM	0.01	0.05
		PM <sub>10</sub>	0.004	0.02
PS-70	Raw Material Rejected Baghouse	PM	0.004	0.02
		PM <sub>10</sub>	0.001	0.01
PS-71	Raw Material Transfer Baghouse	PM	0.01	0.05
	PM <sub>10</sub>	0.004	0.02	
PS-72	Feed to Blending Silo Baghouse	PM	0.01	0.05
		PM <sub>10</sub>	0.004	0.02
PS-73	Blending Silo #2 Baghouse	PM	0.01	0.05
		PM <sub>10</sub>	0.004	0.02
PS-74	K-2 Feed Buffer Bin Baghouse	PM	0.01	0.04
		PM <sub>10</sub>	0.004	0.02
PS-75	K-2 Feed Bucket Elevator Bottom Baghouse	PM	0.01	0.03
	Dagnouse	PM <sub>10</sub>	0.003	0.01
PS-76	K-2 Feed Bucket Elevator Top Baghouse	PM	0.01	0.04
	Dagnouse	PM <sub>10</sub>	0.004	0.02
PS-77	Kiln No. 2 Main Baghouse (11)	PM (FH + BH)	24.61	92.64
		PM <sub>10</sub> (FH + BH)	22.57	85.78
		VOC	13.07	43.90
		NO <sub>x</sub> (8)	386	(7)
		SO <sub>2</sub> (9)	106	(7)
		CO (10)	772	(7)
		HCI	2.34	9.81

		NH <sub>3</sub>	1.43	6.0
PS-78	Airslide to Buffer Bin Baghouse	PM	0.001	0.005
		PM <sub>10</sub>	0.0004	0.002
PS-79 Buffer Bin Baghouse	Buffer Bin Baghouse	PM	0.001	0.004
		PM <sub>10</sub>	0.0004	0.002
PS-80	Kiln Line 2 Clinker Cooler Baghouse	РМ	10.36	34.81
		PM <sub>10</sub>	7.87	26.45
PS-81	Pan Conveyor No. 2 Transfer Baghouse	PM	0.01	0.03
	Sagriouss	PM <sub>10</sub>	0.003	0.01
PS-82	S-82 Pan Conveyor Tower Transfer Baghouse	PM	0.01	0.03
	Dagnouse	PM <sub>10</sub>	0.003	0.01
PS-83	Clinker Silo Baghouse	PM	0.01	0.03
		PM <sub>10</sub>	0.003	0.01
PS-84	Finish Mill No. 3 Weigh Feeder Silo 1 Baghouse	PM	0.01	0.03
	1 Dagnouse	PM <sub>10</sub>	0.002	0.01
PS-85	Finish Mill No. 3 Weigh Feeder Silo 2 Baghouse	PM	0.01	0.03
	2 Bugnouse	PM <sub>10</sub>	0.002	0.01
PS-86	Lime Dust Bin Baghouse	PM	0.001	0.004
		PM <sub>10</sub>	0.003	0.001
PS-87	Finish Mill Weigh Feeder Gypsum Baghouse	PM	0.01	0.03
	bagnouse	PM <sub>10</sub>	0.002	0.01
PS-88	Bucket Elevator Feed FM 3 Baghouse	PM	0.01	0.03
	Dagnouse	PM <sub>10</sub>	0.002	0.01
PS-89	Belt Feed Finish Mill 3 Baghouse	РМ	0.003	0.01
		PM <sub>10</sub>	0.001	0.01

PS-90	Finish Mill No. 3 Baghouse	PM	4.55	10.90
		PM <sub>10</sub>	2.28	5.45
		PM <sub>2.5</sub>	0.68	0.78
PS-91	Mill No. 3 Airslide Transfer Baghouse	РМ	0.01	0.04
	Bagnoase	PM <sub>10</sub>	0.004	0.02
PS-92	Mill No. 3 Coolers Cement Transfer Baghouse	РМ	0.01	0.03
	Bagnouse	PM <sub>10</sub>	0.003	0.01
PS-93	Gral Bucket Elevator Top Baghouse	РМ	0.01	0.03
	PM <sub>10</sub>	0.003	0.01	
PS-94	S-94 Transfer Bucket Elevator Top Baghouse	РМ	0.01	0.04
	Bagnouse	PM <sub>10</sub>	0.003	0.01
PS-95	Vent Airslide to Cement Silos Baghouse	РМ	0.01	0.04
	Dagnouse	PM <sub>10</sub>	0.004	0.02
PS-96	Cement Silo Baghouse	РМ	0.01	0.04
		PM <sub>10</sub>	0.004	0.02
PS-97	Cement Buffer Bin Baghouse	РМ	0.03	0.13
		PM <sub>10</sub>	0.01	0.05
PS-98	Vent Airslide to Spout #1 Baghouse	PM	0.02	0.08
		PM <sub>10</sub>	0.01	0.03
PS-99	No. 1 Loadout Spout Baghouse	PM	0.02	0.08
		PM <sub>10</sub>	0.01	0.03
PS-100	Vent Airslide to Spout #2 Baghouse	РМ	0.02	0.08
		PM <sub>10</sub>	0.01	0.03
PS-101	No. 2 Loadout Spout Baghouse	РМ	0.02	0.08
		PM <sub>10</sub>	0.01	0.03

PS-102	No. 1 Pet Coke Transfer Baghouse	РМ	0.01	0.04
		PM <sub>10</sub>	0.003	0.01
PS-103	No. 2 Coke Belt Transfer Baghouse	РМ	0.01	0.04
		PM <sub>10</sub>	0.003	0.01
PS-104	No. 2 Coke Mill Bin 1 Baghouse	РМ	0.003	0.01
		PM <sub>10</sub>	0.001	0.005
PS-105	No. 2 Coke Mill Baghouse	РМ	4.96	20.82
		PM <sub>10</sub>	2.48	10.41
PS-106	Finish Coke No. 2 Bin 1 Baghouse	РМ	0.001	0.004
		PM <sub>10</sub>	0.0003	0.001
PS-107	Finish Coke No. 2 Bin 2 Baghouse	РМ	0.001	0.004
		PM <sub>10</sub>	0.0003	0.001
PS-108	Limestone Transfer Point Baghouse	РМ	0.02	0.08
		PM <sub>10</sub>	0.007	0.03
PS-109	Feed Slag to Finish Mill Baghouse	РМ	0.01	0.03
		PM <sub>10</sub>	0.002	0.01
Fugitive Emissions	s: Material Drops To Stationary Source	S		
FC-1	Process Fugitive (5)	РМ	-	2.19
		PM <sub>10</sub>	-	1.04
		PM <sub>2.5</sub>	-	0.16
Fugitive Emissions	s From Material Stockpiles: Material Dr	ops And Wind Erosio	n	
FC-2	Stockpiles (5)	РМ	-	5.64
		PM <sub>10</sub>	-	2.82
		PM <sub>2.5</sub>	-	1.13

MTL	Material Handling (5), (6)	PM	7.39	10.31
		PM <sub>10</sub>	7.39	10.31
PS-16 + PS-77	Kiln 1 and Kiln 2 Combined Limits (7), (11)	NO <sub>x</sub>	-	2,801
	(1), (22)	SO <sub>2</sub>	-	116.5
		со	-	1,915
Planned Maintenan	ce Activities			
MSSFUG1	Inherently Low Emitting (ILE) Planned Maintenance Activities	NO <sub>x</sub>	<0.01	<0.01
		со	0.10	0.04
		SO <sub>2</sub>	<0.01	<0.01
		РМ	0.39	0.32
		PM <sub>10</sub>	0.20	0.22
		PM <sub>2.5</sub>	0.06	0.08
		VOC	1.99	0.05

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

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

 $PM_{10}$  - total particulate matter equal to or less than 10 microns in diameter, including  $PM_{2.5}$ , as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide HCl - hydrochloric acid

NH<sub>3</sub> - ammonia

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Material handling consists of EPNs BA-5, CGS-12, CGS-13, RS-21, RS-22, SD-2, SD-6, SD-7, SD-8, SD-13, SD-14, and SD-15.
- (7) Kiln 1 and Kiln 2 combined emission limits for NO<sub>x</sub>, SO<sub>2</sub>, and CO.
- (8) Compliance is based on a 30-day rolling average. A 30-day rolling average is generated for each day as the average of all the day's hourly emission data and the preceding 29 days of hourly emission data (representing only those hours during kiln operation including hours of planned maintenance, startup, and shutdown [MSS]).

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#### Emission Sources - Maximum Allowable Emission Rates

- (9) 3-hour average as determined by the continuous emission measurement system, including hours of kiln planned MSS.
- (10) 24-hour average as determined by the continuous emission measurement system, including hours of planned MSS.
- (11) Planned startup and shutdown emissions from the kilns are included.

Date: April 30, 2014	
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