EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 6048 and PSD-TX-74M1

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
PS-1	Clay Crusher	PM	0.32	1.35
	Baghouse	PM_{10}	0.16	0.68
PS-2	Clay Belt Transfer	PM	0.32	1.35
	Baghouse	PM_{10}	0.16	0.68
PS-3	Raw Aeropol	PM	2.17	9.10
	Cyclone	PM_{10}	1.08	4.54
PS-4	Blending Silo	PM	1.60	6.74
	Baghouse	PM_{10}	0.80	3.37
PS-5	Rail Hopper Belt	PM	1.04	4.35
	Baghouse	PM_{10}	0.52	2.18
PS-6	Coal/Gypsum Belt Transfer	PM	0.32	1.35
	Baghouse	PM_{10}	0.16	0.68
PS-7	Tri-Gate Diverter	PM	0.32	1.35
	Baghouse	PM_{10}	0.16	0.68
PS-8	Coal Belt Transfer	PM	0.56	2.35
	Baghouse	PM_{10}	0.28	1.18
PS-9	Coal/Coke Silos	PM	0.48	2.02
	Baghouse	PM_{10}	0.24	1.01
PS-10	Coal Mill Cyclone	PM	4.49	18.87
	Baghouse	PM_{10}	2.25	9.43
PS-11	Coal Bin Passive Bag	PM	0.03	0.13
	Filter	PM_{10}	0.02	0.07

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
PS-12	Coke Bin Passive Bag Filter	PM	0.03	0.13
		PM_{10}	0.02	0.07
PS-13	Solid Fuel Pump Feeders Baghouse	PM	0.80	3.37
		PM_{10}	0.40	1.68
PS-14	Kiln Feed Bucket Elevator Baghouse	PM	0.48	2.02
		PM_{10}	0.24	1.01
PS-15	Kiln Feed Buffer Bin Baghouse	PM	0.80	3.37
		PM_{10}	0.40	1.68
PS-16	Kiln No. 1 Main Baghouse	PM	12.43	41.76
		PM_{10}	10.44	35.08
		VOC	13.10	44.00
		NO_x****	744.00	2801.00
		SO_2***	106.00	58.5
		CO**	772.00	1036.00
		HCl	0.52	2.25
PS-19	Clinker Cooler Drag Chain Baghouse	PM	1.11	4.68
		PM_{10}	0.56	2.34
PS-20	Kiln Line 1 Clinker Cooler Baghouse	PM	10.46	35.13
		PM_{10}	7.95	26.70
PS-22	Clinker Silos Top Transfers Baghouse	PM	2.23	9.36
		PM_{10}	1.11	4.68
PS-23	Clinker Silo No. 1 Feeder Baghouse	PM	0.15	0.65
		PM_{10}	0.08	0.33
PS-24	Clinker Silo No. 2 Feeder Baghouse	PM	0.17	0.75
		PM_{10}	0.08	0.33
PS-25	Clinker Silo No. 3 North	PM	0.15	0.65

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Baghouse	PM_{10}	0.08	0.33
PS-26	Clinker Silo No. 3 South	PM	0.15	0.65
	Baghouse	PM_{10}	0.08	0.33
PS-27	Clinker Silo No. 4 Feeder	PM	0.15	0.65
	Baghouse	PM_{10}	0.08	0.33
PS-28	Clinker Silo No. 5 Feeder	PM	0.15	0.65
	Baghouse	PM_{10}	0.08	0.33
PS-29	Clinker Silo No. 6 North	PM	0.15	0.65
	Baghouse	PM_{10}	0.08	0.33
PS-30	Clinker Silo No. 6 South	PM	0.15	0.65
	Baghouse	PM_{10}	0.08	0.33
PS-31	Finish Mill Baghouse	PM	3.58	15.04
	No. 1	PM_{10}	1.79	7.52
PS-32	Cement Cooler No. 1	PM	0.31	1.30
	Transfer Baghouse	PM_{10}	0.15	0.65
PS-33	Finish Mill No. 1	PM	0.80	3.37
	Baghouse	PM_{10}	0.40	1.68
PS-34	Finish Mill Baghouse	PM	3.58	15.04
	No. 1	PM_{10}	1.79	7.52
PS-35	Cement Cooler No. 2	PM	0.31	1.30
	Transfer Baghouse	PM_{10}	0.15	0.65
PS-36	Finish Mill No. 2	PM	0.80	3.37
	Baghouse	PM_{10}	0.40	1.68
PS-37	Cement Aeropols	PM	0.39	1.66
	Baghouse	PM_{10}	0.20	0.83

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
PS-38	South Aeropol Transfer Baghouse	PM	0.56	2.34
		PM_{10}	0.28	1.17
PS-39	North Silo Distribution Baghouse	PM	0.39	1.66
		PM_{10}	0.20	0.83
PS-40	North Aeropol Transfer Baghouse	PM	0.56	2.34
		PM_{10}	0.28	1.17
PS-41	South Silo Distribution Baghouse	PM	0.39	1.66
		PM_{10}	0.20	0.83
PS-42	Loadout Spout No. 1 Baghouse	PM	0.35	1.48
		PM_{10}	0.18	0.74
PS-43	Loadout Spout No. 2 Baghouse	PM	0.35	1.48
		PM_{10}	0.18	0.74
PS-44	Loadout Spout No. 3 Baghouse	PM	0.35	1.48
		PM_{10}	0.18	0.74
PS-45	Regrind Bin Baghouse	PM	0.06	0.27
		PM_{10}	0.03	0.14
PS-46	Regrind Cyclone Baghouse	PM	0.26	1.08
		PM_{10}	0.13	0.54
PS-47	Emergency Hopper Baghouse	PM	0.19	0.79
		PM_{10}	0.10	0.40
PS-48	Silo 14 Alumina Baghouse	PM	0.21	0.18
		PM_{10}	0.10	0.09
PS-61	Raw Material 1st Transfer Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25
PS-62	Raw Material 2nd Transfer Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25
PS-63	Raw Material Final Transfer Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
PS-64	No. 2 Feeder Bins Baghouse	PM	0.19	0.78
		PM_{10}	0.09	0.39
PS-65	No. 1 Feeder Bins Baghouse	PM	0.18	0.76
		PM_{10}	0.09	0.38
PS-66	Raw Material Transfer Baghouse	PM	0.12	0.50
		PM_{10}	0.06	0.25
PS-67	Kiln No. 2 Main Baghouse	PM	9.60	32.25
		PM_{10}	8.06	27.09
		VOC	13.07	43.90
		NO_x****	326.67	1431.00
		SO_2***	106.00	58.0
		CO**	772.00	879.00
		HCl	0.52	2.25
PS-68	No. 2 Raw Meal Buffer Bin Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25
PS-69	No. 2 Raw Meal Bucket Elevator Baghouse	PM	0.29	1.21
		PM_{10}	0.15	0.61
PS-70	Blending Silo No. 2 Elevator Baghouse	PM	0.29	1.21
		PM_{10}	0.15	0.61
PS-71	Blending Silo No. 2 Dist. Box Baghouse	PM	0.29	1.21
		PM_{10}	0.15	0.61
PS-72	Kiln No. 2 Feed Bucket Elev. Bottom Baghouse	PM	0.29	1.21
		PM_{10}	0.15	0.61
PS-73	Kiln No. 2 Feed Bucket Elev. Top Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25
PS-74	Kiln Line 2 Clinker Cooler Baghouse	PM	7.92	26.61
		PM_{10}	6.02	20.23
PS-75	Clinker Cooler No. 2 Hammer	PM	0.12	0.51

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Mill/Drag Chain	PM_{10}	0.06	0.25
PS-76	Clinker Cooler No. 2 Transfer	PM	0.29	1.21
	Silo Baghouse	PM_{10}	0.15	0.61
PS-77	Finish Mill No. 3 Feeder	PM	0.12	0.51
	Baghouse	PM_{10}	0.06	0.25
PS-78	Finish Mill No. 3 Top Transfer	PM	0.12	0.51
	Baghouse	PM_{10}	0.06	0.25
PS-79	Finish Mill No. 3	PM	5.22	21.93
	Baghouse	PM_{10}	2.61	10.97
PS-80	Mill No. 3 Cement Transfer	PM	0.19	0.78
	Baghouse	PM_{10}	0.09	0.39
PS-81	Cement Silo Feed	PM	0.20	0.82
	Baghouse	PM_{10}	0.10	0.41
PS-82	No. 4 Loadout Spout	PM	0.22	0.94
	Baghouse	PM_{10}	0.11	0.47
PS-83	No. 5 Loadout Spout	PM	0.22	0.94
	Baghouse	PM_{10}	0.11	0.47
PS-84	No. 2 Coke Belt Transfer	PM	0.12	0.51
	Baghouse	PM_{10}	0.06	0.25
PS-85	No. 2 Coke Mill Bin 1	PM	0.12	0.51
	Baghouse	PM_{10}	0.06	0.25
PS-86	No. 2 Coke Mill Bin 2	PM	0.12	0.51
	Baghouse	PM_{10}	0.06	0.25
PS-87	No. 2 Coke Mill Weighfeeder	PM	0.12	0.51
	Baghouse	PM_{10}	0.06	0.25

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
PS-88	No. 3 Coke Mill Baghouse	PM	2.64	11.10
		PM_{10}	1.32	5.55
PS-89	Kiln No. 2 Mail Burner Fuel Bin Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25
PS-90	Kiln No. 2 Preheater Fuel Bin Baghouse	PM	0.12	0.51
		PM_{10}	0.06	0.25
FC-1	Process Fugitive (4)	PM	-	1.35
		PM_{10}	-	0.64
FC-2	Stockpiles (4)	PM	-	7.86
		PM_{10}	-	3.93
MTL PS-16/PS-67	Material Handling (4) (5) Sitewide Limits	PM_{10}	6.07	10.30
		NO_x	-	2801.00
		SO_2	-	116.50
		CO	-	1915.00

(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 - total suspended particulate (including PM_{10})
PM_{10} - particulate matter (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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
HCl - hydrocloric acid
(4) Fugitive emissions are an estimate only.
(5) Material handling consists of EPNs CGS-12, CGS-13, SD-1, SD-2, SD-6, SD-7, and SD-8.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

** 24-hour average as determined by the continuous emission measurement system.
*** 3-hour average as determined by the continuous emission measurement system.
**** Compliance based on a 30-day rolling average.

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

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

Dated October 31, 2007