EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 3611D and PSD-TX-194M5

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
DC-1A	Raw Crusher	PM_{10}	3.24	14.16
DC-1B	Belt 104/105	PM_{10}	0.24	1.10
DC-1C	Belt 202B/213	PM_{10}	0.16	0.71
DC-2 and DC-9	Kiln Exhaust (4)			
	Sum of 2 EPNs:			
	Kiln Stack No. 1	NO_x (30-day rolling average lb/hr)	600	2628.
	Kiln Stack No. 2	SO_2 (24-hour rolling average)	416.	1822.***
		PM* (front half)	27.69*	118.29*
		PM** (front half + back half)	80.99**	299.99**
		CO	5298.00	5528.00
		VOC 64.54	229.63	
		H_2SO_4 33.95	148.69	
		Pb 0.03	0.13	
		HCl 2.07	9.09	
DC-3A	Blend Silo Nos. 1 and 2	PM_{10}	2.43	10.60
DC-3B	Kiln Feed System	PM_{10}	0.71	3.10
DC-3C	Blend Silo No. 3	PM_{10}	2.43	10.60
DC-3D1	Kiln Feed Pump	PM_{10}	0.16	0.71

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
DC-3D2	Kiln Feed Pump	PM_{10}	0.16	0.71
DC-3D3	Kiln Feed Pump	PM_{10}	0.16	0.71
DC-4	Clinker Cooler (4)	PM_{10}	10.00	43.80
DC-4A-1	Conveyor 413/448	PM_{10}	0.45	2.00
DC-5	Finish Mill No. 1	PM_{10}	7.8	34.2
DC-5A-1	Finish Feed No. 1 Feed Belt 806	PM_{10}	0.81	3.5
DC-6A	Finish Cement Silos A 1-9	PM_{10}	1.43	6.3
DC-6B	Rail Bulk Loadout - A Silos	PM_{10}	0.32	1.4
DC-6C	Truck Bulk Loadout - A Silos	PM_{10}	0.32	1.4
DC-6D	Masonry Cement Loading	PM_{10}	0.32	1.4
DC-7B	Finish Mill No. 1 Feed Silos	PM_{10}	3.0	13.0
DC-8	Cement Bag Packhouse No. 1	PM_{10}	1.84	8.1
DC-10A	Finish Mill No. 2	PM_{10}	1.5	6.6
DC-10B	Finish Mill No. 2	PM_{10}	5.3	23.0
DC-10C-1	Finish Mill No. 2 Feed Belt 806B	PM_{10}	0.81	3.5

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
DC-11A	Finish Cement Silos B 4-7	PM_{10}	1.43	6.3
DC-11B	Finish Cement Silos B 1, 2, 3, and 8	PM_{10}	1.43	6.3
DC-11C	Truck Bulk Loadout No. 1 B Silos	PM_{10}	0.32	1.4
DC-11D	Truck Bulk Loadout No. 2 B Silos	PM_{10}	0.32	1.4
DC-11E	Clinker Loadout Silos	PM_{10}	1.0	4.3
DC-11F	Clinker Loadout	PM_{10}	0.73	3.2
DC-13	Clinker Storage Building	PM_{10}	3.0	13.0
DC-13A	Fringe Bin	PM_{10}	0.65	2.8
DC-20	Clinker Fines Dust Bin	PM_{10}	0.22	0.95
FUG-1	Coal Stockpile and Material Handling (5)	PM PM_{10}	- -	1.82 0.91
FUG-2	Iron Stockpile and Material Handling (5)	PM PM_{10}	- -	0.84 0.44
FUG-3	Sand Stockpile and Material Handling (5)	PM PM_{10}	- -	1.39 0.70
FUG-4	Road Emissions (5)	PM_{10}	-	2.43
FUG-5	Street Sweeper Dump and Material Handling (5)	PM PM_{10}	- -	0.40 0.20

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(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. 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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
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.
CO - carbon monoxide
HCl - hydrogen chloride
Pb - lead or lead compounds
H_2SO_4 - sulfuric acid
(4) Emissions from DC-4 must comply with New Source Performance Standard, Subpart F. Combined emissions from DC-2 and DC-9 must also comply with New Source Performance Standard, Subpart F.
(5) Fugitive emissions are an estimate only.

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

* PM allowables for prevention of significant deterioration permit, based on front-half PM emissions only as measured by the U.S. Environmental Protection Agency Method 5.

** PM allowables for state permit, for PM emissions as defined in Title 30 Texas Administrative Code § 101.1.

*** The holder of this permit has committed to achieve a SO_2 limitation of 416 lbs/hr based on a 24-hour rolling average as measured by CEM no later than May 1, 2001.

Dated March 14, 2003