EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3611D and PSD-TX-194M4

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	TSP	3.24	14.16
		PM_{10}	3.24	14.16
DC-1B	Belt 104/105	PM_{10}	0.24	1.1
DC-1C	Belt 202B/213	PM_{10}	0.16	0.71
DC-2, 2628.	DC-9,	Kiln Exhaust (4)	NO_x	600.
and DC-12	Sum of 3 EPNs:	SO_2	416.	1822.
	Kiln Stack No. 1,	PM*	41.7*	178.3*
	Kiln Stack No. 2,	PM**	95.**	360.**
	and Alkali Bypass Stack	CO	5298.	5528.
DC-3A	Blend Silos No. 1 and 2	PM_{10}	2.43	10.6
DC-3B	Kiln Feed System	PM_{10}	0.71	3.1
DC-3C	Blend Silo No. 3	PM_{10}	2.43	10.6
DC-3D1	Kiln Feed Pump	PM_{10}	0.16	0.71
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.	43.8
DC-4A-1	Conveyor 413/448	PM_{10}	0.45	2.0

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
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.
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.
DC-10C-1	Finish Mill No. 2 Feed Belt 806B	PM_{10}	0.81	3.5
DC-11A	Finish Cement Silos B 4-7	PM_{10}	1.43	6.30
DC-11B	Finish Cement Silos B 1, 2, 3, and 8	PM_{10}	1.43	6.30
DC-11C	Truck Bulk Loadout No. 1 B Silos	PM_{10}	0.32	1.40
DC-11D	Truck Bulk Loadout No. 2 B Silos	PM_{10}	0.32	1.40
DC-11E	Clinker Loadout Silos	PM_{10}	1.0	4.3

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
DC-11F	Clinker Loadout	PM_{10}	0.73	3.2
DC-13	Clinker Storage Building	PM_{10}		3.0
13.				
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	TSP	-	1.82
	Material Handling (5)	PM_{10}	-	0.91
FUG-2	Iron Stockpile and	TSP	-	0.21
	Material Handling (5)	PM_{10}	-	0.11
FUG-3	Sand Stockpile and	TSP	-	1.39
	Material Handling (5)	PM_{10}	-	0.70
FUG-4	Road Emissions (5)	PM_{10}	-	2.43
FUG-5	Street Sweeper Dump and	TSP	-	0.40
	Material Handling (5)	PM_{10}	-	0.20

* PM allowables for PSD permit, based on front-half PM emissions only, as measured by EPA Method 5.

** PM allowables for State permit, for PM emissions as defined in TNRCC General Rules 101.1.

(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) TSP - total suspended particulate including PM_{10}
PM - particulate matter
PM_{10} - particulate matter less than 10 microns

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide

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(4) Emissions from DC-4 must comply with New Source Performance Standard, Subpart F. Combined emissions from DC-2, DC-9, and DC-12 must also comply with New Source Performance Standard, Subpart F.
(5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(6) Emission rates are based on a maximum dry kiln feed rate of 275 tons per hour and 2,409,000 tons per year of raw feed with the following maximum operating schedule:

Hrs/day_____ Days/week_____ Weeks/year_____ or Hrs/year 8,760

Dated_____