

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 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	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 and DC-9	Kiln Exhaust (4)	NO _x	600.	2628.
	Sum of 2 EPNs:	SO ₂	416.	1822.
	Kiln Stack No. 1,	PM*	41.7*	178.3*
	Kiln Stack No. 2	PM**	95.**	360.**
		CO	5298.	5528.
DC-3A	Blend Silo Nos. 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 43.8		Clinker Cooler (4)	PM ₁₀	10.
DC-4A-1	Conveyor 413/448	PM ₁₀	0.45	2.0

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			lb/hr	TPY
DC-5 34.2		Finish Mill No. 1	PM ₁₀	7.8
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 1.4	Rail Bulk Loadout - A Silos	PM ₁₀		0.32
DC-6C 1.4	Truck Bulk Loadout - A Silos	PM ₁₀		0.32
DC-6D	Masonry Cement Loading	PM ₁₀	0.32	1.4
DC-7B 13.	Finish Mill No. 1 Feed Silos	PM ₁₀		3.0
DC-8 1.84	8.1	Cement Bag Packhouse No. 1	PM ₁₀	
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

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			lb/hr	TPY
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
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	-	1.82
		PM ₁₀	-	0.91
FUG-2	Iron Stockpile and Material Handling (5)	PM	-	0.84
		PM ₁₀	-	0.44
FUG-3	Sand Stockpile and Material Handling (5)	PM	-	1.39
		PM ₁₀	-	0.70
FUG-4	Road Emissions (5)	PM ₁₀	-	2.43
FUG-5	Street Sweeper Dump and Material Handling (5)	PM	-	0.40
		PM ₁₀	-	0.20

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

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

** PM allowables for State permit, for PM emissions as defined in Section 101.1 of the Texas Natural Resource Conservation Commission General Rules.

(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 - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter 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.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

PSD - prevention of significant deterioration

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- (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.

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_____