Eagle Crusher Emissions - Cirillo Brothers, Inc.

Equipment	Max Output[3]	Uncontrolled PM Emissions[1]	Controlled PM Emissions[1]
		PM	PM
Eagle Ultramax 1200-25CC Electric Crusher[2]	1,000 hrs/yr	5.40E-03 lb/ton	1.20E-03 lb/ton
	396 ton/hr[3] (maximum)	2.14 lb/hr	0.48 lb/hr
Emission Point PT1	100,000 ton/yr	540.00 lb/yr	120.00 lb/yr
		0.27 ton/yr	0.06 ton/yr

Total Uncontrolled PM Emissions	Total Controlled PM Emissions
PM	PM
3.33 lb/hr	0.53 lb/hr
840.00 lb/yr	134.00 lb/yr
0.42 ton/yr	**0.07 ton/yr**

Equipment	Max Output[3]	Uncontrolled PM Emissions[1]	Controlled PM Emissions[1]
		PM	PM
Eagle Crusher Conveyor Discharge	1,000 hrs/yr	3.00E-03 lb/ton	1.40E-04 lb/ton
	396 ton/hr[3] (maximum)	1.19 lb/hr	0.06 lb/hr
Emission Point PT2	100,000 ton/yr	300.00 lb/yr	14.00 lb/yr
		0.15 ton/yr	0.01 ton/yr

Assumptions:

Total Hours per year = 1,000

Maximum annual throughput = 100,000 tons

Maximum hourly throughput = 396 tons

1 ton - 2,000 lbs.

Notes:

1 Emission factors based on AP-42, Table 11.19.2-2 (8/04).

2 Eagle Ultramax 1200-25CC portable crusher expected to be powered by a 250 HP electric motor. The crusher will have an on-plant double deck screen. However, screen will be enclosed, thus emissions are not expected to occur from the screener.

3 Maximum output of crusher estimated based upon capacities of other crushers of similar size.

4 The annual throughput processing rate for this facility is limited to 100,000 tons per year. The annual emissions detailed in this calculation are based upon the maximum annual throughput of material rather than the hourly limitation.

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