

LIMESTONE DUST COLLECTOR EMISSION CALCULATIONS
Salt River Project - Coronado Generating Station

Table 1. System Capacities

Maximum Hourly Limestone Usage (tph)	200	
Maximum Limestone Ball Mill Throughput (tph)	5	
Day Bin Capacity (tons)	73	
Maximum Annual Limestone Usage (tpy)	87,600	2 Ball Mills x 2 tph x 8,760 hrs/yr

Table 2. Emission Calculations Presented in Significant Revision Application for CECP

Emission Point	Flow Rate (acfm)	EF (gr/acf)	PM/PM ₁₀ Potential to Emit	
			(lb/hr)	(tons/yr)
DC-12	1,500	0.005	0.06	0.26
DC-13	1,500	0.005	0.06	0.26
DC-14	1,000	0.005	0.04	0.17
DC-15	7,000	0.005	0.27	1.20

Table 3. Updated Emission Estimates

Equipment Designation	PM/PM ₁₀ Emission Limit (gr/acf)	Max Baghouse Flow Rate (scfm)	Average Annual Flow Rate Due to Intermittent Process ¹ (scfm)	PM/PM ₁₀ Potential to Emit (tpy)
DC-12	0.005	17,000	850	0.16
DC-13	0.005	13,000	650	0.12
DC-14	0.005	600	30	0.006
DC-15	0.005	600	30	0.006

¹ Max Baghouse Flow Rate (scfm) x Max Annual Limestone Usage (tpy) / Max Hourly Limestone Usage (tph) / 8,760 hrs/yr