ACAA INTERNATIONAL

1999 Coal Combustion Product (CCP) Production and Use (Short Tons) American Coal Ash Association (ACAA)

Total CCPs - Category I (Dry) & II (Ponded)	Fly Ash	Bottom Ash	Boiler Slag	FGD Material
CCP Production	62,699,947	16,875,991	2,890,843	24,608,099
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			82,466,780	
Total All CCPs				107,074,879
CCP Use				
Cement/Concrete/Grout	10,084,584	701,342	11,133	289,849
Raw Feed for Cement Clinker	1,268,000	157,027	0	0
Flowable Fill	847,425	13,031	0	0
Structural Fills	3,204,501	1,385,413	51,983	577,615
Road Base/Subbase	1,216,861	1,102,254	5,513	17,398
Soil Modification	78,154	17,444	12,941	2,095
Mineral Filler	158,934	62,567	12,424	0
Snow and Ice Control	3,201	1,108,184	50,877	0
Blasting Grit/Roofing Granules	0	156,777	2,132,354	0
Mining Applications	1,527,272	154,481	10,000	231,463
Wallboard	0	0	0	3,053,268
Waste Stabilization/Solidification	1,929,150	68,996	0	15,603
Agriculture	13,924	42,665	0	80,463
Miscellaneous/Other	461,467	450,495	76,239	184,651
Total Use	20,793,473	5,420,676	2,363,464	4,452,405
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			28,577,613	
Total All CCPs				33,030,018
Individual Use Percentage	33.2%	32.1%	81.8%	18.1%
Cumulative Use Percentage	33.2%	32.9%	34.7%	30.8%

For metric equivalents, multiply tabular values by 0.9078

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