



2005 Coal Combustion Product (CCP) Production and Use Survey

CCP Categories (Short Tons)	Fly Ash	Bottom Ash	FGD Gypsum	FGD Material Wet Scrubbers	Boiler Slag*	FGD Material Dry Scrubbers*	FGD Other*	FBC Ash*	
CCP Production Category Totals**	71,100,000	17,600,000	11,975,000	17,700,000	1,957,392	1,427,263	0	1,366,438.00	
CCP Production Total								123,126,093	
CCP Used Category Totals***	29,118,454	7,541,972	9,268,365	689,184	1,890,809	159,198	0	944,559.00	
All CCP Used Total								49,612,541	
CCP Use By Application****	Fly Ash	Bottom Ash	FGD Gypsum	FGD Material Wet Scrubbers	Boiler Slag	FGD Material Dry Scrubbers	FGD Other	FBC Ash	
1. Concrete/Concrete Products /Grout	14,989,958	1,020,659	328,752	0	0	13,965	No data received for FGD Other	0	
2. Cement/ Raw Feed for Clinker	2,834,476	939,667	397,743	782	42,566	0		0	
3. Flowable Fill	88,549	0	0	0	0	9,673		0	161,685
4. Structural Fills/Embankments	5,710,749	2,321,140	0	0	175,144	2,666		0	140,300
5. Road Base/Sub-base/Pavement	205,032	1,056,660	0	0	300	0		0	200,000
6. Soil Modification/Stabilization	715,996	205,322	0	0	0	1,535		0	216,787
7. Mineral Filler in Asphalt	62,546	21,583	0	0	56,709	0		0	0
8. Snow and Ice Control	591	531,549	0	0	15,401	0		0	0
9. Blasting Grit/Roofing Granules	0	89,109	0	0	1,544,298	0		0	0
10. Mining Applications	626,428	46,604	0	245,471	31,540	112,100		0	70,802
11. Wallboard	0	0	8,178,079	0	0	0		0	0
12. Waste Stabilization/Solidification	2,657,046	42,353	0	0	0	0		0	140,555
13. Agriculture	23,856	7,670	361,644	3,312	0	19,259		0	0
14. Aggregate	180,275	692,501	0	0	0	0		0	0
15. Miscellaneous/Other	1,022,952	567,155	2,147	439,619	24,851	0		0	14,430
CCP Category Use Totals	29,118,454	7,541,972	9,268,365	689,184	1,890,809	159,198	0	944,559	
Application Use To Production Rate	40.95%	42.85%	77.40%	3.89%	96.60%	11.15%	0.00%	69.13%	
Overall CCP Utilization Rate								40.29%	
Cenospheres Sold (Pounds):		19,748,062	=(9,874 Tons)		(Corrected as of 11/9/07)				

* As submitted based on 54 percent coal burn.

** CCP Production totals for Fly Ash, Bottom Ash, FGD Gypsum, and Wet FGD are extrapolated estimates rounded off to nearest 50,000 tons.

*** CCP Used totals for Fly Ash, Bottom Ash, FGD Gypsum, and Wet FGD are per extrapolation calculations (not rounded off).

**** CCP Uses by application for Fly Ash, Bottom Ash, FGD Gypsum, and Wet FGD are calculated per proportioning the CCP Used Category Totals by the same percentage as each of the individual application types' raw data contributions to the as-submitted raw data submittal total (not rounded off).