

MICROWAVE CARBON BURNOUT (MCB) GAS BYPRODUCTS AND DEPARTMENT OF
SPECIFIC METALLIC ELEMENTS

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ABSTRACT

The Microwave Carbon Burnout (MCB) process reduces CCP fly ash LOI to any prescribed limit and simultaneously eliminates adsorbed ammonia products. The MCB process generates CO₂ as its principal gas byproduct, does not require auxiliary fuel and has no effect on carryover of resident trace heavy metals which are characteristic of the coal fuel. Results of extensive pilot testing are reported involving CCP ashes from several US and Canadian sites.