

Impact of NO_x Conversion on Fly Ash Quality: Investigation of a Unit Burning High-sulfur Coal

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The Center for Applied Energy Research has studied several conversions to low-NO_x combustion, following the impact of the conversion on the fly ash petrology, in particular the amount and forms of carbon present before and after conversion, and on the fly ash chemistry and mineralogy. In this study, a large unit burning Western Kentucky high-sulfur coal produced a marketable fly ash prior to conversion. Changes in the petrology of the ash in conjunction with the conversion will be discussed.