

Management of ashes from co-firing biomass with coal

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Abstract

Since about two decades coal-fired power plants in the Netherlands are co-firing biomass (dry bottom boilers). Extensive research has been performed to the influence of co-firing on the properties of fly ash for use in concrete. Now, the next step is that more biomass is fired than coal. The question is how does this influence the properties of fly ash and how can these fly ashes be utilized? In this paper physical, mineralogical and chemical properties of fly ash from biomass with co-fired coal are assessed. Further, options for utilization are described.