

Modern Approach to the Problem of Utilization of Fly Ash and Bottom Ash from Power Plants in Russia

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Abstract

Data on annual volumes of production and utilization of fly ash and bottom ash from coal burning thermal power plants (TPPs) for the period 1999 – 2003 are presented. Basic ash disposal systems, used at TPPs nowadays are considered. Problem of pneumatic transportation installations reliability for ash disposal systems and coal-pulverizing systems of TPPs is observed. Analysis of opportunity of ashes useful utilization volumes increase is made. Main power engineering branch documents of the Russian JSC “UES of Russia” concerning ash problem for the last 10 years are given. Basic directions of ash materials recycling are considered. Requirement to the fly ash for concrete in Russia and abroad are presented.

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