

**THE ECOLOGICAL ASH TREATMENT AND THE LIQUIDATION OF THE
BROWN COAL BURNING IN THE CZECH REPUBLIC**

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ABSTRACT

The decisive source of the electric and heat power in the Czech Republic is the brown coal which covers the energetic need of the state approximately by 75%. It is generally known that the brown coal burning is closely connected with the negative influencing of the almost all environment parts. One of the problems that must be solved during the brown coal burning is also the re-processing and the liquidation of the solid residues after the coal burning and, then, the purification of flue gas (furthermore the SWB – the solid waste burnt). As the brown coal contains the relatively high ash contents and, sometime, also sulphur, about 10 millions tons of ashes and 2 millions tons of the solid residues from the desulphurization of the flue gas (in total about 12 millions of the SWB tons) arise within the large energetic and heat sources in the Czech Republic yearly.