

BEST AVAILABLE TECHNOLOGIES FOR WASTE CO-FIRING APPLICATIONS

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Abstract

Thermal transformation of waste is one way in which the negative impact of human activities on the environment can be reduced. Thermal waste treatment is generally negatively associated by the public as hazardous and harmful to the environment. In this study the authors present the possibility of waste management in the process of co-firing with coal using BAT (Best Available Techniques) for both the combustion process and the exhaust gas purification process. Co-firing of coal with RDF (Refuse Derived Fuel) while ensuring stable production of electricity and heat supports the process of waste management which, if not burned, will end up in landfills, which, according to the authors, is the worst possible way to handle waste both from the point of view of environmental protection itself and from the point of view of energy efficiency.

Keywords: **BAT; CFB; Combustion; Emissions; FGT; RDF; WI.**