Metal recovery from municipal solid waste incineration bottom ash (MSWIBA): state of the art, potential and environmental benefits

Incineration has a central role in the waste management system in Denmark (e.g. 52% of the household waste) resulting in approximately 726000t of solid residues each year. However, the targets imposed by the Danish Waste Strategy and the increasing discussions about resource in waste raise an issue on resource losses through waste incineration. In this framework, this study provides actual data on the state of the art of the recovery of resource in MSWIBA in Denmark (i.e. metals), on the potential for further recovery and on the environmental benefits or burdens assessed through the Life Cycle Assessment (LCA) methodology.

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