

**Summary:**

This work focuses on assessing the environmental implications of the concept of waste-to-energy. An integrated waste management systems are described, which are instruments for extracting energy from municipal solid waste. It compares these systems by method of life-cycle-assessment (LCA). This work describes the municipal solid waste as a raw material for combustion process with integrated treatment technology. It focuses on the global problem and reason of inventing waste management system, the increasing volume of waste produced by mankind and its solution using the concept of waste-to-energy. This work also addresses the issue of over-representation of landfilling in waste management systems of different nations. Finally, the paper deals with the impacts associated with emissions of contaminants arising from the waste combustion.