

Abstrakt

Abstract AJ

The goal of this thesis is to thoroughly chart the problem of waste management in Czech Republic and the European Union and to outline legal and economic situation in waste treatment and in its alternatives. This thesis deals with different types of landfills, their technical aspects and methods of depositing waste. The thesis also tries to point out material and energetic use of waste before landfilling. Recycling is considered to be important because it decreases the amount of waste stored in landfills. Composting and anaerobic digestion are the other methods of disposal. The thesis also describes the possibilities of usage of the landfill gasses with the help of cogeneration units. The thesis refers to current level of waste landfilling in the Czech Republic and in other countries of the European Union.

Key words: waste management, landfilling, landfills, waste sorting, material recovery from waste, recycling, composting, energy recovery from waste, incineration,