



“Gh. Asachi” Technical University of Iasi, Romania

MANAGEMENT OPTIONS FOR THE INDUSTRIAL AND MUNICIPAL WASTES IN THE CITY OF IASI

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Abstract

Solid waste management has an important contribution to sustainable development due to its general objectives envisaging protection of the environment and of the public health, the recycling of materials and the prevention and reduction of emissions and residuals. A healthy and pleasant urban or rural environment can be achieved only if technical, management, policy, legislation and educational issues are considered on a national and regional scale. Especially for the cities, where the solid wastes are important in quantities, volumes and toxicity, due to the combined contribution of industrial and municipal wastes, the need for coherent management programs in this field is of a great importance.

This study presents an evaluation of the actual situation of the industrial and municipal waste management, including aspects regarding their separate collection and evidence, the existing possibilities for analysis of different types of wastes, as well as their impact over the environmental factors. An overview of the Romanian and international legislation guidelines is also presented.

The case of the industrial disposal waste site at Copacioaia is discussed and an overview of the emissions for the last 2 years is presented.

Management options such as: pollution prevention, clean technologies implementation and separate collection, disposal and treatment of municipal and industrial wastes are considered to contribute decisively to the transformation of Iasi into a sustainable city.

Keywords: industrial waste, municipal solid waste, collection, landfill, waste management, waste disposal

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