

SOLID WASTE MANAGEMENT IN THE NORTHERN AEGEAN REGION – CURRENT SITUATION AND PROSPECTS

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EXTENDED ABSTRACT

The Northern Aegean Region consists of the Prefectures of Lesvos, Samos and Chios. Its particularity is not only that it includes three (3) insular Prefectures, but also that the Region consists of nine (9) islands in total.

According to the current legislation, the objectives – targets of the solid waste management Masterplan at a Prefecture level to begin with, and consecutively at a Regional level, are given below:

- Reduction in the production of wastes (quantitative reduction) as well as reduction of their content in dangerous substances
- Waste exploitation
- Safe final disposal of wastes at their production source
- Restoration of the waste disposal sites in order to incorporate these sites in the neighboring natural environment
- Application of the principle “the polluter pays”
- Use of the best available techniques that will take into account the technological and economical viability, according to local conditions.

Studies for the Masterplan of solid waste management have already been elaborated for the Prefectures of Lesvos, Samos and Chios. From these studies all necessary works have resulted for rational and environmentally safe solid waste management.

This presentation refers to the necessary works of solid waste management per Prefecture, the maturation stage of each one of those and the prospects of their realization.

Another particularity of the Northern Aegean Region, is that the surface area and the population varies unevenly between three (3) larger islands and six (6) smaller ones, but with satisfactory retention of population and large producing and developing capabilities. Therefore, in parallel this presentation examines the possible prospects of application in this insular Region of the commitments that conclude from the harmonization of our legislation to the Directives of the EC for the alternative management of packaging and various other materials and the reduction of unprocessed domestic waste that are landfilled in combination to the viability and applicability of any proposal.

Key words: solid waste management, municipal waste, Managing Unit, Northern Aegean Region, Sanitary Landfill Site, Samos, Lesvos, Chios.