



**Republic of Macedonia
State Audit Office**



ДРЖАВЕН ЗАВОД ЗА РЕВИЗИЈА

EFFICIENCY OF SOLID WASTE MANAGEMENT IN THE REPUBLIC OF MACEDONIA



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Audit Objective

- To assess the “efficiency of measures / actions set out in the strategic, program and planning documents, adopted on the basis of laws and regulations for solid waste”
- To make recommendations for improvement of the state of affairs in the field of solid waste management,
- To exchange knowledge, experience and best practice examples for solid waste management,

And to answer the question:

"Are measures, activities and decisions by stakeholders in the process of solid waste (municipal), including control functions of state institutions, contribute to reducing the quantity of waste generated and the negative impact on the environment, life and health of the people? "



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Audit Scope

The audit covered the period 2013 - 2014 in the following entities:

- Ministry of Environment and Physical Planning, including the Department of Environment, as a body within the Ministry;
- State Environmental Inspectorate;
- nine municipalities;
- public enterprises for waste management;
- companies for disposal of municipal waste;
- Association of Local Self-Government Units - ZELS;
- Association of utility service providers.





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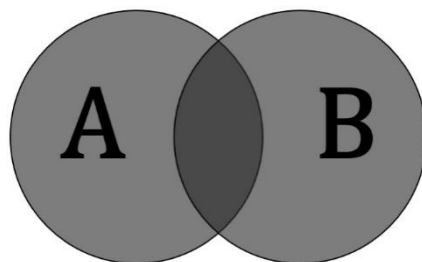
Performance audit activities focused on the following areas:

- Responsibilities and obligations of institutions and stakeholders for waste management in accordance with the laws and bylaws;
- Waste management at central/regional level (setting up and organizing regional waste management system);
- Waste management - solid waste management by local government;
- Competences/responsibilities of the institutions and entities in connection with the disposal of municipal solid waste at central and local level;
- Monitoring, supervision and creation of waste management information system and method of supervision by the authorities.

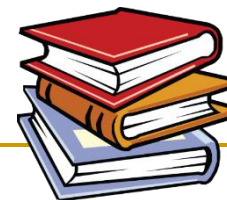


Responsibilities and obligations of institutions and stakeholders for waste management in accordance with the legal regulations

- Overlapping competences and responsibilities between the state bodies



- Further improvement of the third National Environmental Action Plan to be done until 2018 and to define general medium-term and long-term measures for environment protection and management.





Setting up and organizing regional waste management system

Regarding the obligation to build regional landfills in 8 regions for waste management, as defined in the Waste Management Plan:

- two regions (Southeast and Polog) have implementing procedures for awarding concession for financing, designing/construction and management of regional landfill for municipal solid waste, and
- the remaining six regions have planned activities to be implemented with the assistance of IPA funds in the coming years (2017 and 2018).





Waste management - solid waste management by local government

Some municipalities need to submit annual reports with consolidated data for municipal waste on regular basis;

- Municipalities that have submitted annual reports mainly included data from the public enterprises for waste management; there is need for improvement in terms of including data from other legal entities and individuals that collect and transport waste;

- There is need for improvement in terms of uniformed approach for displaying quantity of municipal waste (tones and m³) for 2013 and 2014 in MEPP annual report;

The above conditions lead to the conclusion that there is need for improvement within the municipalities and the public enterprises in order to meet the legal obligations concerning waste treatment and hazardous waste. According to the annual reports of the MEPP, the quantities of generated, transported and disposed waste in the period 2013-2014 have increased.



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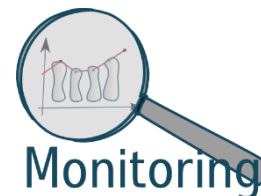
Competences/responsibilities of institutions and entities in connection with the disposal of municipal solid waste at central and local level

There is a need for improvement of most existing landfills to reach the minimum standards for technical requirements of landfills.





Monitoring, supervision and creation of an information system for waste management



- There is a need for adopting annual monitoring program regarding preparations of annual reports and data for waste management monitoring.
- There is a need to establish Environment Cadaster (data) which inter alia will include the Cadaster of waste.
- MEPP is supervising the work of the municipalities but with limited scope.
- Communal inspectors of the municipalities have important role in the improvement of the situation in waste management. However, in some cases the penalties by communal inspectors need to be charged.



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In order to overcome the ascertained state of affairs, the audit made the following recommendations:

- The Government, in cooperation and coordination with relevant ministries, to take action to amend the existing legislation concerning waste management, in order to avoid overlapping of competences and responsibilities of state bodies responsible for the implementation and supervision of the above laws.
- The Government to adopt the third National Environmental Action Plan, which will define measures for environment protection and management, as well as guidelines for prevention of pollution from different pollutants, including waste management.
- MEPP to establish a Cadaster of Environment, which will provide data for activities and installations that are harmful for the environment, including Cadaster of waste.



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In order to overcome the ascertained state of affairs, the audit made the following recommendations:

- The municipalities to prepare annual reports on the implementation of waste management programs and to submit it to the MEPP.
- MEPP to take measures and activities for complete and timely supervision of the work of municipalities, as prescribed by law.
- The planning regions in Macedonia to take measures and activities aimed at establishing and organizing regional system for waste management on their territory, which is of particular importance for municipal waste.
- Central and local government to tackle the problem of existing landfills by organizing and building regional landfills and other facilities and installations for waste treatment.



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In order to overcome the ascertained state of affairs, the audit made the following recommendations:

- MEPP to adopt annual monitoring program for waste management, and to prepare annual reports based on data from the monitoring of waste management.
- Municipalities to carry out monitoring of hazardous waste, which includes municipal waste in accordance with the law, and to submit reports to MEPP.



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