

Abstract

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The municipal waste management system in the commune administration process

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The subject of this dissertation concerns the municipal waste management system in the commune administration process. The inducement supplements the research gap shown by the author in the models of the administration process of waste management system in communes, by showing solutions that determine the functioning of the waste management system in the administration process and its individual elements. The main goal of the dissertation *is to develop and verify a model of a municipal waste management system that supports the commune administration process.*

The development of the model of municipal waste management system, with particular emphasis on the commune administration process, is possible by identifying the models that are currently in effect, taking into account their defects and barriers for the optimal commune administration. Ergo, in order to achieve the main goal of the dissertation, the following goals have been specified:

- G1. Systematisation of the current scientific achievements regarding public administration in local government units.
- G2. Identification of tasks in the field of waste management in commune administration.
- G3. Identification of logistic activities that determine the functioning of waste management systems in communes.
- G4. Identification of activities in the field of waste management in the process of commune administration.
- G5. Exemplification of models of the waste management system in commune administration process.
- G6. Determining specific local conditions of the Częstochowa commune and communes of the Częstochowa district.
- G7. Identification of elements of the waste management system model in communes.
- G8. Indication of activities that determine the functioning of waste management systems in communes.
- G9. Comparison of indicators from the scope of waste management in communes.

Based of the goals above, the hypotheses were verified. The main hypothesis that was taken up in the dissertation is: *It is necessary to include the municipal waste management system in all commune administration functions.* Detailed hypotheses have been also specified:

H1. The municipal waste management system is determined by the commune administration process.

H2. The elements of commune administration process influence the shape of the waste management system model.

H3. Including waste management activities in the commune administration process contributes to the improvement of the execution of tasks from the scope of waste collection as well as increase in recycling and also reduction of waste in communes.

H4. Factors influencing the functioning of commune determine the operation of the municipal waste management system.

In order to verify the hypotheses and achieve the goals, the dissertation has been divided into five chapters - three presented in a theoretical manner and the other two are empirical. The considerations contained in this doctoral dissertation concentrate on the issues of municipal waste management system, with particular emphasis on the subject of commune administration. The content of the first chapter of the dissertation is an analysis of the source literature in the field of public administration in local government units. Second chapter deals with the role of the municipal waste management system in the commune administration process. Third chapter is an analysis of the functioning models of the waste management systems in the commune administration process. Fourth chapter of this dissertation is devoted to the empirical dimension of the waste management system in the commune administration process. It presents the methodology of the conducted research, identifies the object and subject of the research, and presents the methods used. This chapter also presents the functioning of the waste management system, with particular emphasis on its administration. Fifth chapter of the dissertation is an original concept of a model of a waste management system in commune administration process. It presents a critical implementation of the existing model of waste management system in the analysed communes. The assumptions of the original model were developed, which are the basis for its construction.

Structure of the dissertation makes it possible to identify the key aspects influencing the administration process of the waste management system in communes. The presented considerations, including the research query on the source literature, the analysis of commune documentation in the scope of the waste management system, as well as the statistical research and questionnaire interview, constitute the basis for the conclusions formulated in this

dissertation, as well as contributed to the creation of an original model of the waste management system in the commune administration process. The author carried out a critical implementation of the existing model, which made it possible to identify the research gap in the literature, which indicated that it includes administration activities to a small extent. Original model takes into account the solutions used by the analysed communes in the scope of waste management. Contrary to the current models of waste management, which focused on the flow of waste between system elements, the original solution separates administration tasks and divides them into four main functions (planning, organising, managing, controlling). A model has been developed that is distinguished by including administration in waste management system. Moreover, it has been adapted to the specific activities of communes, taking into account activities specific to these units. The model also includes a SWOT analysis, which enables the identification of the best strategy for communes. Based on its results, territorial units should carry out their tasks in the scope of waste management.

The original model has been verified based on the results of the questionnaire interview. Moreover, the author extended the model with solutions identified in the course of empirical research. Additionally, the SWOT/TOWS analysis allowed the author to indicate the administration strategy appropriate for the examined units. The developed original model contains solutions that should constitute the foundation for communes to implement activities in the scope of municipal waste management in the context of administration.

The considerations presented in this dissertation constitute the current issues related to waste management. The difficulties consolidated with it are particularly visible in communes, which are entities responsible for the administration of the waste management system. In conclusion, it is stated that communes should take actions aimed at implementing solutions that translate into the achievement of waste management objectives. The author of the dissertation notes that it is particularly important to take into account administration principles in organising and creating a waste management system. The implementation of measures that improve the aspect of waste management should be a priority for commune authorities – also in the long-term perspective.

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