



MONTENEGRO
STATISTICAL OFFICE

METHODOLOGY
WASTE STATISTICS

41	METHODOLOGICAL GUIDELINES	41
-----------	----------------------------------	-----------

Podgorica, March 2024

Content

The legal basis	3
METHODOLOGICAL GUIDELINES	3
The aim of survey	3
Statistical units	3
Coverage.....	3
Survey organization.....	4
Definitions	4
Dissemination.....	5
Harmonization with EU regulations.....	6

The legal basis for the implementation of surveys on waste statistics is the Law on Official Statistics and Official Statistical System of Montenegro ("Official Gazette of Montenegro", No. 18/12 from 30. 03. 2012, 047/19 from 12. 08. 2019) and Annual plan of official statistics.

According to Law on Official Statistics and Official Statistical System of Montenegro reporting units are obliged to give information in the content and required form. Individual data obtained in the survey are protected and can be used only for statistical purposes.

METHODOLOGICAL GUIDELINES

The aim of survey

The purpose of the Waste statistics surveys is collecting, processing, and dissemination of data on types and quantities of waste that are generated by legal companies - enterprises in production and service activities and further treatment of waste, data on collected municipal waste, source of collected municipal waste and treatment of municipal waste. Data are collected through following surveys: Survey on municipal waste (OT - KOM), Survey on waste collection and processing (OT – SiO) and Survey on generated waste (OT _ S).

Reporting units

The reporting units for the Survey on municipal waste are public utility enterprises, with the permit issued by Secretariat for Local Government for performing public service of municipal waste collection and transportation; for the Survey on waste collection and processing, reporting units are all enterprises that have permits for waste collection and treatment by Environmental Protection Agency, as well as enterprises that manage landfill sites. The reporting units for Survey on generated waste are business entities with 10 and more employees whose main activity is defined in sectors: A – Agriculture, forestry and fishing, B - Mining and quarrying, C - Manufacturing, D - Electricity, gas, steam and air conditioning supply, E - Water supply; sewerage, waste management and remediation activities, F – Construction, G - Wholesale and retail trade; repair of motor vehicles and motorcycles - group 45.2 Maintenance and repair of motor vehicles, M - Professional, scientific and technical activities - division 75 Veterinary activities, Q - Human health and social work activities - classes: 86.10 Hospital activities, 86.21 General medical practice activities, 86.23 Dental practice activities and 86. 90 Other human health activities according to Classification of activities 2010.

Coverage

The surveys covered all public utility enterprises, with the permit issued by Secretariat for Local Government for performing public service of municipal waste collection and transportation; enterprises that have permits for waste collection and treatment by Environmental Protection Agency; enterprises that manage landfill sites; enterprises with 10 and more employees whose main activity is defined in sectors: A – Agriculture, forestry and fishing, B - Mining and quarrying, C - Manufacturing, D - Electricity, gas, steam and air conditioning supply, E - Water supply;

sewerage, waste management and remediation activities, F – Construction, G - Wholesale and retail trade; repair of motor vehicles and motorcycles - group 45.2 Maintenance and repair of motor vehicles, M - Professional, scientific and technical activities - division 75 Veterinary activities, Q - Human health and social work activities - classes: 86.10 Hospital activities, 86.21 General medical practice activities, 86.23 Dental practice activities and 86.90 Other human health activities according to Classification of activities 2010 .

Survey organization

Pursuant to the Plan of Statistical Surveys, Organization, Preparation and Implementation of survey, as well as collected data processing are done by Statistical Office and direct actors are interviewers. Statistical Office performs all preparation tasks for proper and successful survey implementation. For this purpose, it also performs the tasks, as it follows: survey methodology production, questionnaire drafting, prepares address list of reporting units, survey material printing and conducts training of interviewers. The interviewer is obliged to perform responsibly and on time all the tasks entrusted to him.

Instruments for conducting

The following instruments are used to conduct the survey of waste statistics>

- Different forms (OT - KOM, OT - SiO and OT - S);
- Appropriate instructions for completing the forms;
- More detailed instructions for finding the appropriate waste code;
- Waste Catalogue.

Definitions

Waste is any substance or object which the holder has discarded or intends to discard or is obliged to discard in accordance with the law.

Non-hazardous waste is waste whose composition and properties do not have any of the characteristics of hazardous waste.

Hazardous waste is waste containing elements or compounds having one or more of the following hazardous properties: explosiveness, reactivity, flammability, irritability, harmful, toxic, infectious, carcinogenic, corrosiveness, mutagenicity, teratogenicity, eco-toxicity, the property of abrasion and the property of release of toxic gases by chemical or biological reaction and sensitivity / irritability, as well as waste from which, after a delay, other matter may arise that has any of the hazardous properties.

Municipal waste is waste from households or when performing activities whose properties are similar to waste from households.

Mixed municipal waste is the waste from the household left after separation of some municipal waste fractions for which the possibility of selective collection is envisaged including communal waste packaging.

The original waste producer is any person whose activities produce waste.

Waste treatment is the procedure for processing and/or disposal of waste, including preparation prior to removal and/or disposal.

Recovering waste is the process for obtaining materials or products used as raw materials or the process of preparing waste for production of this material or product in the treatment plant or in a wider manufacturing sense.

Disposal means any operation which is not recovery even where the operation has as a secondary consequence the reclamation of substances or energy.

Recycling is the process of recovering for the purpose of using waste to replace other materials used for the original or other purposes.

Landfilling of waste is one of the disposal procedures.

Waste Catalogue is a list of waste according to the properties and place of origin, classified in groups, subgroups and types of waste from activities whose operations generate waste.

Waste collection is the collection of waste from the holder, including pre-sorting and temporary storage of waste for transport to a treatment plant.

Deponija je stalno mjesto čija je primarna funkcija odlaganje otpada na površini ili ispod površine zemlje, uključujući internu deponiju na kojoj proizvođač odlaže sopstveni otpad na mjestu nastanka, osim mjesta gdje se otpad priprema za dalji prevoz do mjesta obrade na drugim lokacijama i mjesta za skladištenje otpada prije njegove obrade za period do tri godine ili mjesta za skladištenje otpada prije njegovog zbrinjavanja za period do jedne godine.

Landfill site is a permanent location whose primary function is disposal of waste on the surface or below ground level, including internal landfill sites to which the producer disposes of his own waste at the place of origin, except places where waste is prepared for further transport to places of treatment and at other locations for storage of waste prior to treatment for a period less than three years, or places for storage of waste prior to disposal for a period less than one year.

Method of data collection

Reporting method is used for data collection for the Survey on municipal waste and Survey on waste collection and processing, while the data on generated waste are collected through interview method.

Data protection

Data collected by surveys, represents an confidential data and subject to special protection provided at all levels of surveys (collection, control, processing and dissemination of data) in accordance with provisions of the Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12 and 47/19).

Reference period

Reference period means the period of time to which a particular item of information collected by the survey refers. Reference period is the same for all surveys in area of waste statistics and that period is 12 month-period, i.e. the previous calendar year.

Dissemination

The publication of data is done in accordance with the Statistical Release Calendar of Statistical Office, according to a predefined date and manner of publishing data.

Published data are available to users in the annual release – Generated and treated waste and and on the Web.

Classifications used in the surveys on waste statistics

The following classifications are used in surveys conducting:

- Classification of activities, 2010 (KD 2010, "Official Gazette of Montenegro", No. 18/11)
- Waste Catalogue ("Official Gazette of Montenegro" No. 59/13);
- Statistical classification of waste;
- Table of equivalency that presents, according to Regulation 2150/2002, the connection between EWC – Stat/Version 4 (substantially oriented statistical nomenclatures of waste) and European List of Waste (LoW) – Decision of European Commission 2000/532/EC.

Harmonization with EU regulations

Surveys in area of waste statistics are conducted according to international standards and recommendations: Regulation (EC) No. 2150/2002 of the European Parliament on waste statistics and Regulation No. 849/2010 on amending Regulation (EC) No 2150/2002.

**Published and printed by Statistical Office of Montenegro (MONSTAT)
81000 Podgorica, IV Proleterske 2 (+382) 20 230 - 811, fax (+382) 20 230 - 814**

**The Methodology guidelines prepared by:
Environmental Statistics and Forestry Department**

contact@monstat.org