WASTE MANAGEMENT TECHNOLOGIES IN REGIONS, GEORGIA

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CONTENT

ABBREVIATIONS 4
Program Background 5
Assumptions, Problems and Barriers 6
Significant Events and Achievements during the Reporting Period 7
Status of Activities by Components 9
Component 1: Waste Collection and Recycling Systems 9
Component 2: Private Sector-led Recycling 22
Component 3: Waste Management Strategy and Tariff Policy 26
Component 4: Communication and Outreach 29
Major Activities Planned for Next Quarter 45

ANNEXES:

Annex 1. Municipal Waste Management Capacity Analysis
Annex 2. EU Approach to Waste Management
Annex 3a. Draft Bylaw on the Construction, Operation, Closure and After-Care of Landfills (Georgian version)
Annex 3 b. Draft By-law on the Construction, Operation, Closure and After-Care of Landfills (English version)
Annex 4. First draft of the By-Law on Rules of Collection and Treatment of Municipal Waste
Annex 5 a. Draft report of Gurjaani landfill closure plan
Annex 5 b. Gurjaani Landfill Site Conditions Photo Summary
Annex 6. Illegal Dumpsites Closure Guideline
Annex 7. Waste Composition Study Methodology (English version))
Annex 8. Charter of the Waste Management Association
Annex 9. Draft EIA report for LTD Zugo
Annex 10. Presentation on business plan development
Annex 11. Draft Tariff and Cost Recovery Assessment Report
Annex 12. Role of Tariffs in the Economy of a Country
Annex 13. Project Cycle Management

ABBREVIATIONS

AIP	Annual Implementation Plan
AOR	Agreement Officer's Representative
AR	Autonomous Republic
CENN	Caucasus Environmental NGO Network
CO	Cooperative Agreement
COP	Chief of Party
DCOP	Deputy Chief of Party
EIA	Environmental Impact Assessment
EU	European Union
FB	Facebook
GHG	Greenhouse Gas
GOG	Government of Georgia
ICMA	International City/County Management Association
ISM	Institute for Sustainable Communities
ISWM	Integrated Solid Waste Management
ISWPM	Integrated Solid Waste Management Plan Guideline
MOENRP	Ministry of Environment and Natural Resources Protection
MRDI	Ministry of Regional Development and Infrastructure
NGO	Non-governmental Organization
PMP	Performance Monitoring Plan
PR	Public Relations
PSA	Public Service Announcement
4Rs	Reduce, Reuse, Recover, Recycle
SWM	Solid Waste Management
SWMCG	Solid Waste Management Company of Georgia
TV	Television
USAID	U.S. Agency for International Development
WMTR	Waste Management Technologies in Regions
WMA	Waste Management Association

Program Background

The USAID Waste Management Technologies in Regions Program (hereinafter referred to as WMTR) was awarded to International City/County Management Association (ICMA) on March 18, 2014, under Cooperative Agreement AID 114-LA-14-00001. ICMA is implementing WMTR in partnership with a local sub-recipient, Caucasus Environmental NGO Network (CENN) and the Institute for Sustainable Communities (ISC). The estimated completion date for the activity is March 17, 2018. WMTR is designed to contribute to the following USAID monitoring and evaluation framework objectives and results:

- Strategy Development Objective 2: Inclusive and sustainable growth.
- Intermediate Result 2.3 More responsible management and development of Georgia's natural endowments.
- Intermediate Result 2.3.3 Waste management improved.

The goal of WMTR is to provide professional waste management technical assistance to support waste management system development and recycling in two regions of Georgia - Kakheti and Adjara AR. Project activities will promote greenhouse gas (GHG) mitigation and sequestration by developing the waste management sector, including waste collection, recycling and public awareness. Specifically, this project will enable GHG mitigation and sequestration from the waste sector by enabling the recycling business environment in targeted regions and municipalities; improving waste collection systems; minimizing pollution of natural resources from landfills by closing out old, illegal landfills and dumpsites; enhancing public awareness of waste management issues and ensuring public participation in the decision-making and designing process of new waste management systems. Additionally, ICMA will work closely with its local partner, CENN, to build the capacity of its staff with the ultimate goal of WMTR handover in 2018.

WMTR activities combine various components into a comprehensive structure that focuses on technical assistance and capacity/institution building of integrated waste management systems and recycling/composting in two regions of Georgia – Kakheti and Adjara AR. WMTR has four main components:

- Component 1: Waste Collection and Recycling Systems
- Component 2: Private Sector-Led Recycling
- Component 3: Waste Management Strategy and Tariff Policy
- Component 4: Communication and Outreach

WMTR also implements cross-cutting activities that support the four components above and promote local governance. The cross-cutting activities include, among others, empowerment of youth and women, ethnic minorities and people with disabilities, and gender mainstreaming.

This Quarterly Report covers the period from April 1 until June 30, 2015, within USAID Fiscal Year 2015.

Assumptions, Problems and Barriers

WMTR had to contend with the following assumptions, problems and barriers in the reporting period:

- Frequent turnover of governmental representatives;
- Miscommunication and lack of coordination between donor agencies working in the waste management sector;
- Lack of communication between state institutions responsible for waste management in Georgia;
- Non-existence of a waste management strategy and action plan in the country:

  WMTR project prepared the Municipal Waste Management Action Plan Guidelines; however, development of concrete action plans for the municipalities should be delayed until the waste management strategy is finalized by the Ministry of Environment and Natural Resource Protection (MoENRP);
- Lack of financial resources in the municipal budgets allocated for waste management issues;
- Lack of technique and equipment (trucks, bins, etc.) in the municipalities required for waste collection;
- Lack of accurate data and information related to waste management (i.e. non-existence of the waste composition information, amount of collected waste, GHG emissions from the landfills, etc.):

  Due to the lack of accurate information required for calculation of the GHG emissions from the existing landfills in the Kakheti Region and Adjara AR, the project could not obtain reliable information to create baseline data. Therefore, it is important to conduct an actual measurement of GHG emissions from the existing landfills. Only after obtaining measurement results it will become clear whether the existing landfills in the project target regions have the potential to contribute to the reduction (an how much) of GHG emissions. The GHG related project indicators should be then adjusted accordingly;
- Lack of local expertise in waste management issues;
- The very limited number of recycling companies with both the capacity and willingness to be potential grant recipients is a serious problem;
- Socio-economic situation in the country;
- Lack of awareness by general public of integrated waste management issues: waste separation, recycling, tariff issues, etc.

To mitigate the potential problems and barriers, WMTR works closely with all tiers of government and other stakeholders in capacity building and has been using an intensive communication, outreach and awareness campaign to promote best practices in waste management and recycling systems.

Significant Events and Achievements during the Reporting Period

- WMTR program conducted a municipal waste management capacity analysis of local self-governments, as well as of solid waste collection and disposal companies operating in the municipalities of Kakheti Region and Adjara AR. A "*Municipal Waste Management Capacity Analysis in Adjara AR and Kakheti Region in Georgia"* report has been prepared and communicated with all stakeholders.
- A pilot project - *Piloting of Integrated Waste Management Systems in Target Areas of Telavi Municipality* was launched in 5 selected villages of Telavi municipality to demonstrate the benefits of ISWM practices (in particular waste separation and recycling) via the provision of technical assistance and co-financing support and the establishment of an ISWM system, as well as to raise the awareness of local governmental structures and the public at large.;
- WMTR team organized visits of Georgian delegation representatives` from Batumi (Adjara AR) and Telavi (Kakheti Region) to the city of Golden (Colorado) and Catawba County (North Carolina). The visits will be held by the end of July and the beginning of August;
- WMTR team in collaboration with international and national experts and in close cooperation with the MoENRP developed a draft of the By-law on the Construction, Operation, Closure and After-Care of Landfills;
- WMTR team in collaboration with international and national experts and in close cooperation with the MoENRP started working on the By-law on Rules of Collection and treatment of Municipal Waste.
- WMTR team in collaboration with international and national experts and in close cooperation with the SWMC prepared a draft of Gurjaani landfill closure plan;
- In April 2015 WMTR team in close cooperation with the MoENRP organized a discussion on the topic - *Waste Management Approaches in EU Countries* in the Kakheti Region and Adjara AR;
- In May and June 2015 WMTR team organized trainings for local self-government representatives from all municipalities of the Kakheti Region and Adjara AR on the requirements imposed by the new law – Waste Management Code**;**
- WMTR team developed an illegal dumpsites closure guideline. The guideline was communicated and agreed upon with the MoENRP and SWMC;
- WMTR team developed a waste composition methodology. The methodology was communicated and agreed upon with the MoENRP and SWMC;
- Waste collection system was set up in the Sviana recreational zone in cooperation with the local government of the Kakheti region;
- In June 2015 Waste Management Association (WMA) created by WMTR team was officially registered in the National Agency of Public Registry;
- WMTR team in close cooperation with WMA board members developed a logo and a banner of the association;

- WMTR team supported LTD Zugo (a plastic recycling company) in preparation of an Environmental Impact Assessment (EIA) report. According to the *Georgian Law on Permit for Impact on the Environment*, activities related to waste disposal, treatment or recycling, incineration, and landfill design and operation are subject to permits and mandatory EIAs. Therefore, any recycling activity requires a permit from the MoENRP based on an Environmental Impact Assessment. The EIA process considers possible impacts and risks on the different components of the physical, biological and human environment;
- In May, 2015 WMTR team organized a training for recycling companies on business plan development;
- In June, 2015 WMTR team in cooperation with the MoENRP organized a meeting with WMA on National Strategic Vision and the activities to be implemented;
- WMTR team in cooperation with national expert developed a draft Tariff and Cost Recovery Assessment Report. Once the report is finalized, it will be communicated and agreed upon with all stakeholders;
- In May 2015 WMTR team organized a public lecture on *"Economic Aspects of Waste Management: Role of Tariffs in the Economy of a Country"* in Batumi and Telavi State Universities;
- WMTR team developed a scenario of the Public Service Announcement (PSA). This PSA will provide a message to the public on the importance of a tariff system and will show the linkage between tariff fee collection and clean and healthy environment;
- WMTR team continues conducting open educational classes on integrated waste management issues in public schools of Kakheti Region and Adjara AR;
- WMTR team developed the program's third quarterly newsletter in English and Georgian and distributed it through CENN electronic network which has more than 25,000 subscribers worldwide;
- In April, May and June 2015 WMTR team organized a series of trainings on Project Cycle Management for students of public schools of Kakheti Region and Adjara AR;
- On April 22, 2015 WMTR program, together with NGO "ECOVISION", MoENRP, Tbilisi City Hall and Solid Waste Management Company of Georgia celebrated the 45th annual Earth Day in Tbilisi Zoo;
- On May 3, 2015, WMTR Program, with the support from the MoENRP participated in Life World Run in Kakheti, a global running event in aid of the search for a cure to spinal cord injuries;
- On June 6, 2015 two USAID funded projects: WMTR and EC-LEDS participated together in the America Days Festival at Rike Park, Tbilisi;
- WMTR staff continues updating a program Facebook (FB) Page. Through this FB page the general public, including school students from the project target regions are receiving updates regarding the implementation of the program – competitions, trainings, workshops, grants announcements; information about ongoing activities and news on modern practices in waste management are also regularly posted on the FB page.
- On April, 2015 the project team started preparation of the green advice and distributing them through CENN electronic network and posting on the project FB page every week.

The aim of the green advice was to change the behavior of the general public and show them the ways on how to apply the 4R (reduce, reuse, repurpose, recycle) practice in everyday life.

Status of Activities by Components

Component 1: Waste Collection and Recycling Systems

Analyzing capacity and training gap of municipalities and SW companies

WMTR program conducted a municipal waste management capacity analysis of local self-governments, as well as of solid waste collection and disposal companies operating in the municipalities of the Kakheti Region and Adjara Autonomous Republic. The aim of this assessment was to review and analyze municipal waste management related responsibilities and capacities in the target regions in order to develop recommendations for waste management sector improvements and identify training needs and capacity-building activities for the municipalities to improve current municipal waste management practices and to increase the efficiency of the delivered services. A relevant report has been developed, comprising the following chapters:

- Introduction;
- Legal Framework;
- Institutional Framework;

Waste Management Capacity Analysis in Adjara Autonomous Republic and Kakheti Region (general information, waste management organization, infrastructure, financial aspects). *Adjara Autonomous Republic:* Batumi Self-Governing City, Kobuleti Municipality, Keda Municipality, Khulo Municipality, Khelvachauri Municipality, Shuakhevi Municipality. *Kakheti Region:Akhmeta Municip*ality, Gurjaani Municipality, Dedoplistskaro Municipality, Telavi Self-Governing City, Telavi Municipality, Lagodekhi Municipality, Sagarejo Municipality Signagi Municipality, Kvareli Municipality;
Main findings and Recommendations;
Summary of Waste Management Data for Adjara AR and Kakheti Region, Georgia.

The assessment showed that municipalities throughout Georgia have limited capacities and resources to properly manage their own waste. The main issues that municipalities face are related to the distribution of waste management related responsibilities and competencies, lack of clear mechanisms to monitor and control the quality of performed waste services, waste data inaccuracy, limited waste service coverage, outdated infrastructure, lack of clear tariff policies, and non-existence of steady systems for collection of waste charges.

Based on the recommendations, as well as training needs and capacity building activities identified in the document, WMTR team planned and conducted tailored trainings to increase waste management capacity of key stakeholders in the target regions.

For more information, please see *Annex 1.* Final report - Municipal Waste Management Capacity Analysis in Adjara AR and Kakheti Region in Georgia.

Developing Telavi pilot project to demonstrate benefits of integrated waste management approaches in target areas of Telavi municipality

A pilot project - *Piloting of Integrated Waste Management Systems in Target Areas of Telavi Municipality,* which will be implemented in 5 selected villages in Telavi municipality was approved by all parties and contract was signed between ICMA and Telavi Municipality.

The aim of the pilot project is to demonstrate the benefits of ISWM practices via the provision of technical assistance, co-financing support and the establishment of an ISWM system, as well as to raise the awareness of local governmental structures and the public at large.

In particular, Telavi pilot project will:

- Introduce integrated solid waste management practices in the selected villages of the municipality and make this process replicable for other villages. This will be achieved through the following activities: expansion of the waste collection service, introduction of separated waste collection bins along with promotion of recycling and composting activities, closure of illegal waste disposal areas (development of illegal waste disposal site closure plans and implementation of closure activities in close cooperation with the municipality), and introduction of waste fee collection scheme;
- Develop capacity / institution building of Telavi Municipality and the waste collection service provider company in terms of integrated solid waste management;
- Launch the public awareness raising component (directed by the 4R principles), focusing on behavioral change amongst the young generation in the target areas.

At the first stage the villages will be selected based on the following criteria: readiness of the population to be involved in waste management related activities, willingness and readiness of Trustees in the villages to be involved in the process, existence of active community groups/CBOs/NGOs, socio-economic situation, number of population, existence of small processing enterprises, number of large farms, etc.

75 bins will be installed in the selected villages and wet-dry separation method will be used for waste separation. Implementation of activities will start in July 2015.

Design and implementation of City-to-City Exchange Program

As a follow-up on the visits of Catawba County and the city of Golden representatives` to the cities of Telavi and Batumi in March 2015, the visit of the Georgian delegation to US was planned. The schedule of the visits is as follows:

- Georgian delegation visit to Catawba County: July 24 – August 3, 2015;
- Georgian delegation visit to the city of Golden: August 8-16, 2015;

Delegation members have been selected in close cooperation with national and local government representatives based on their responsibilities related to waste management and knowledge and experience in dealing with waste management issues.

The Georgian delegation that will visit the city of Golden is represented by the following members:

Name, Surname	Position
Lasha Nakashidze	Head of the Division for Strategic Planning, Investments and Economic Development, a contact person for and a coordinator of WMTR project on the part of Batumi City Hall
Irakli Chavleishvili	Deputy Chairman of Sakrebulo (Local Assembly) of Batumi Municipality
Lasha Sirabidze	A member of Batumi Municipality, Chairman of the Committee of Infrastructure Development of Sakrebulo
Nino Shavgulidze	WMTR/DCOP

The Georgian delegation that will visit Catawba County is represented by the following members:

Name, Surname	Position
Platon Kalmakhelidze	Telavi Mayor
Tengiz Mtvarelishvili	Telavi Vice Mayor
George Enukidze	Head of Administration Department, at the same time a contact person of WMTR Program on the part of Telavi City Hall
George Kiknadze	Head of the Service of Property Management, Infrastructure, Spatial Arrangement, Architecture and Construction Works
Alverd Chankseliani	Head of Waste and Chemical Substances Department, Ministry of Environment and Natural Resources of Georgia
Nino Tevzadze	WMTR/Component 1 leader

The agendas of the visits were prepared based on the issues that self-governance cities face in the sphere of waste management. These visits will help the representatives of the Georgian delegations to increase their knowledge of proper waste management issues and better plan waste management related activities in their cities. During the visits the draft action plans will be finalized that will serve as a basis for future cooperation between the cities of Georgia and US.

Discussion on the Topic of Waste Management Approaches in EU countries organized in Batumi and Telavi

On April 16, 2015 WMTR program in close cooperation with the MoENRP organized a discussion on the topic - *Waste Management Approaches in EU Countries*. The discussion was held in the conference hall of the Sakrebulo of Telavi Municipality. Representatives of all municipalities of Kakheti region, as well as NGOs and school students attended the event.

Mr. Alverd Chankseliani, Head of Waste and Chemical Substances Department of MoENRP provided information to the audience on recent developments and future plans of the Ministry in terms of waste management.

On May 14, 2015, similar meeting was organized in Batumi Civic Engagement Center. Representatives of all municipalities and Ministries of Adjara AR, as well as NGOs and school students attended the event.

WMTR program representatives opened the meetings and stressed the importance of such discussions for better understanding and further introduction of integrated waste management practices in the country.

During the meetings the audience was provided with detailed information on waste management approaches used in EU countries. In particular, the following topics were discussed at the meetings:

- EU waste policy development history;

- Waste management methods;
- Basic statistical indicators;
- Waste management policy tools;
- Waste collection systems;
- Separation methods;
- Cost recovery.

The presentations were followed by active discussion, attendees were interested in waste tariff and collection systems, as well as waste separation methods.

Annex 2. Presentation on *Waste management approaches in EU countries*

Training for Representatives of the Local Self-Government on Integrated Waste Management

On May 27,28 and 29, 2015, a three-day training was conducted for local self-government representatives from the project target regions on the requirements imposed by the new law – Waste Management Code**.** Emphasis was made on the requirements and obligations of local authorities. Relevant departments of the MoENRP were invited to provide this information to the representatives of all municipalities and self-governance cities of Adjara AR and Kakheti Region. The participants also had the opportunity to ask questions and receive answers from the competent authorities.

The following issues were discussed during the 3-day training:

- Waste Management Code, general requirements and obligations related to waste management;
- Distribution of competencies between different structures in waste management sector;
- Municipal waste management planning and development;
- Hazardous waste management;
- Landfill arrangement and management;
- Permits and registration of the activities related to waste management;
- Waste registration and reporting;
- Implementation of control and inspections related to waste management;
- Administrative offenses and administrative proceedings.

Training was conducted in an interactive manner. Audience was very interested in the municipal waste management planning and development issues.

During the training, Municipal Waste Management Plan Development Guideline developed within the framework of WMTR program in close cooperation with the MoENRP was presented and discussed.

Training for local self-government representatives on implementation of the Georgian Law on Waste Management Code

On June 24-25, 2015 the second cycle of trainings for local self-government representatives on the implementation of the Georgian Law on the Waste Management Code was organized at CENN's Bulachauri Green Center.

31 representatives of local self-government from Adjara AR and Kakheti regions attended the training.

The aim of the training was to provide detailed information to the representatives of the self-government on the following issues:

- General overview of Administrative Offences Code (waste part);
- The evidence and equipment needed to obtain evidence, rights and responsibilities of violators;
- Administrative offences (waste part);
- Communication of information;
- Field act;
- Necessity to inform the Ministry of Internal Affairs;
- Protocol of administrative offences, strict registration form and its proceedings.

Training was conducted in an interactive manner. Audience was very interested in the topics provided during training, especially in filling in the administrative offences protocol.

Cooperation with the Ministry of Environment and Natural Resources Protection of Georgia

Development of the By-law on the Construction, Operation, Closure and After-Care of Landfills

WMTR program with the support of the international and national experts and in close cooperation with the MoENRP developed a draft of the By-law on the Construction, Operation, Closure and After-Care of Landfills.

The By-law was prepared in accordance with the requirements of Article 49 (paragraphs 1 and 8) of the Law – Waste Management Code of Georgia.

The aim of the By-Law is to prevent or minimize the negative impacts of landfills on environment, especially on water, groundwater, soil and atmospherics including climate change related emissions and on accompanying risks to human health, via establishing strict operation and technical requirements, during the entire lifecycle of a landfill from its inception to the end of its post-closure after-care period.

The requirements of the By-Law include:

- Technical rules, regulations and criteria for landfill design, construction, operation and post-closure care;
- Special requirements for existing landfills;
- Waste acceptance criteria and procedures and safety assessment for waste underground storage.

The document comprises the following chapters:

- **Section I** – General provisions
- **Section II** – Requirements for the design and construction of landfills
- **Section III** – Operation and technical maintenance of the landfill
- **Section IV**– Landfill controlling and monitoring procedures during operation and closure after-phase
- **Section V**– Landfill closure and after-care
- **Section VI** – Existing landfills
- **Annexes**:
    - **Part 1**. Procedure for waste acceptance at the landfills
    - **Part 2**. Criteria for waste acceptance
    - **Part 3**. Sampling and test methods
    - **Part 4**. Safety assessment for acceptance of waste in underground storage

The draft By-law will be finalized by the end of July and will be submitted to the government for approval on July 31, 2015.

Annexes 3a and b. Draft By-law on the Construction, Operation, Closure and After-Care of Landfills (Geo/Eng).

Development of the By-law on Rules of Collection and treatment of Municipal Waste

WMTR program with the support of international and national experts and in close cooperation with the MoENRP started working on development of the By-law on *Rules of Collection and Treatment of Municipal Waste*.

The objective of the By-Law is to stipulate the requirements for collection and treatment of municipal waste in accordance with Article 16, Part 5 of the Waste Management Code.

Through this By-Law the following procedures, measures and criteria will be established:

- Procedures and requirements for providing obligatory effective collection services to all municipal waste generators in a municipality to minimize impact on the environment related to effects on local surface water, groundwater, soil and air (including global environmental effects through mitigation of climate change related emissions) and on risks to human health;
- Measures aimed at minimizing litter throughout a municipality as well as eliminating possible nuisance conditions such as noise, odors or other adverse effects;
- Measures aimed at reducing the overall impacts of resource use and improving the efficiency of such use through recovery and recycling initiatives:
- Measures, procedures and requirements for treating all municipal waste prior to landfill disposal in accordance with Article 21, Part 6 of the Waste Management Code;
- Minimum technical criteria that should be met by waste treatment facilities during provision of services.

The first draft of the By-Law has been prepared. The By-Law should be submitted to the government for approval no later than February 1, 2016.

Annex 4. The first draft of the By-Law on Rules of Collection and Treatment of Municipal Waste.

Cooperating with the Ministry of Regional Development and Infrastructure/ Solid Waste Management Company

Development of the Gurjaani landfill closure plan

One of the main issues related to waste management in Georgia is the existence of unsanitary landfills that do not comply with international requirements. The design of all landfills in WMTR program target regions is rather simple, with no bottom isolation, layering or drainage, and no gas collection systems. This poses a serious threat to environment and human health. Therefore, one of the objectives of WMTR program is to support the Government of Georgia in development of closure/remediation plans for the existing landfills.

The operations, management and monitoring of the existing landfills (excluding Tbilisi and Adjara Region), construction planning of new regional landfills in compliance with EU regulations, and closure of the existing landfills that do not meet international requirements is the responsibility of the Solid Waste Management Company of Georgia (SWMCG).

In May, 2015 WMTR project signed a Memorandum of Understanding (MoU) with SWMCG on development of the Gurjaani landfill closure plan in accordance with international requirements and later on closing of the landfill according to the developed plan (the closure of the landfill will be completed by SWMCG).

In 2014 SWMCG terminated Gurjaani landfill operations and is now planning to allocate certain amount in the 2016 budget to close this landfill. The development of a closure plan is particularly important because of the landfill location in a boggy area and its current conditions that may lead to potential complications.

The draft of the document was prepared and will be provided to SWMCG for comments. The closure plan for Gurjaani municipal waste landfill was developed taking into consideration the requirements of national legislation, international best practices and EU directives.

Background information about Gurjaani landfill

Gurjaani non-hazardous waste landfill is situated in Gurjaani municipality at the territory of a former brick factory quarry where raw material – clay was obtained. Hence, large pits are located at its territory, filled with rainwater. Groundwater is based at a lower level and does not feed the above water ponds with water. Inflow of rainfall from adjacent areas mainly takes place from the northern boundary of the landfill. This is where swamped areas mainly are.

The landfill area has a straight topography with minor slopes towards south and east. The geological structure of the landfill is made of clays covered on top by fill-up soil of 0.6-1.0 m strength. The fill-up soil is a mix of clay and gravel. It is originated from the residues of the soil no longer usable for brick production that had been spread all over the site and left during quarrying operations.

Landfill site is fenced by a barbed wire. The only exception is its northern boundary. Apparently, it was impossible to fence this part of the site due to its periodic filling with water and intensive swampiness. The waste entering the landfill site was periodically partially burned and partially dumped into the pits by a bulldozer.

Annexes 5a and b. Draft report of Gurjaani landfill closure plan and site conditions photo summary.

Development of Illegal dumpsites closure guideline

The illegal dumpsites exist in almost all villages of the project target regions due to a limited coverage area of waste collection system. In most municipalities waste service coverage is less than 50%. Services mainly cover municipalities' centres and villages adjacent to central motorways, while relatively remote villages remain unserved. Therefore, it is important to provide local authorities with the basic knowledge and understanding of what is required to close informal dumpsites and minimize environmental damage associated with these sites.

WMTR project in cooperation with an international expert developed a draft of Illegal Dumpsites Closure Guideline.

The Guideline provides the following information:

- What is illegal dumping?
- Why is illegal dumping a problem?
- What factors contribute to illegal dumping?
- Closure of illegal dumpsites
- Development of illegal dumping prevention program

The draft guideline will be provided to the national and regional governments for comments. The final version of the guideline will be incorporated in the integrated solid waste management action plans, which will be prepared for each municipality in the target regions, with the support of WMTR program.

Annex 6. Illegal Dumpsites Closure Guideline.

Development of the Waste composition methodology

The information about the content of waste does not exist in Georgia. Therefore, such data is not available in the project target regions as well. However, in order to assess the quantity of recyclable materials in the waste stream and consequently to improve planning of technical and economic effectiveness of waste recovery and recycling programs it is crucial to have information about waste composition. Existence of such information will also help the government (national, regional, local) and WMTR project to assess the amount of biodegradable waste that goes to the landfill.

At the first stage WMTR project with the support of the international expert developed the waste composition study methodology. The methodology was agreed with all stakeholders – SWMCG, SWMC and Tbilisi City Hall, LTD Tbilservis (waste collection company in Tbilisi).

The waste composition study in the project target regions will be conducted according to the developed methodology.

Annex 7. Waste composition study methodology

Arranging recreational zone in Sviana

Sviana recreational zone is situated in the Stori River Valley located in Telavi municipality. The only motor road leading to the historical geographic area and protected areas of Tusheti lies along this valley. Besides, the Stori River Valley has a significant recreational function, since both local residents and tourists often visit it for recreational purposes. In addition, 4,000-5,000 people pass the valley during the summer period to get to Tusheti protected areas.

No waste collection is organized in this area. Taking into consideration the importance of the location of Sviana recreational zone, WMTR program installed 4 dustbins to set up waste collection system. At the same time, appropriate infrastructure including tables, benches and campfire areas were installed in the recreational zone by the CENN/ADA forestry project.

Installation of dustbins has for the first time in history fostered collection of waste generated in the recreational zone, thus significantly improving sanitary condition of the area. Besides, visitors coming back from Tusheti protected areas use the dustbins too, which in itself contributes to significant improvement of sanitary situation of the protected areas and creates favorable conditions for tourism. Collection of waste from the newly installed bins has already been arranged with the municipality;

Once WMTR project will arrange the separated waste collection in 5 villages of Telavi municipality, separated collection of waste will be also be arranged in Sviana recreational zone.

Component 2: Private Sector-led Recycling

Registration of Waste Management Association in the National Agency of Public Registry

On June, 2015 the Charter of Waste Management Association (WMA) was approved by the National Agency of Public Registry and therefore the association was officially registered according to the requirements of the Georgian legislation.

According to the Charter, the WMA has the following mandate:

- Cooperate with national and international projects and donor organizations.
- Develop recommendations aimed at solving waste management issues, as well as at initiating and implementing new waste management approaches.
- Approach relevant government agencies with requests for implementation of appropriate activities as needed.
- Participate in project design and implementation on national and international levels.
- Be eligible to draw up draft laws and approach legislative and executive authorities with legislative initiatives in case of conflicting or deficient laws.

The members of the Association will periodically meet to discuss solutions to common and individual problems. The activities of the Association will contribute to the further development of waste recycling sector and to development of solutions to its problems.

Annex 8. Charter of the Waste Management Association

Meetings with the members of Board of Waste Management Association

On May 25, 28 and June 3, 2015 meetings were conducted with members of Board of the Waste Management Association to develop the logo and banner of the Association.

Based on the ideas provided by the members of Board of WMA, the draft design of the logo and banner was prepared. The banner will be provided to USAID for clearance.

Support LTD Zugo in development of the Environmental Impact Assessment Report

According to the Georgian Law on Permit for Impact on the Environment, activities related to waste disposal, treatment or recycling, incineration, and landfill design and operation are subject to permits and mandatory EIAs. Therefore, any recycling activity requires a permit from the Ministry of Environment and Natural Resources based on an Environmental Impact Assessment. The EIA process considers possible impacts on and risks to different components of physical, biological and human environment.

None of the companies operating in the project target regions possess environmental permits and thus their operations may be deemed illegal. Therefore WMTR project

supported LTD Zugo[1] (a plastic recycling company) in preparation of an Environmental Impact Assessment (EIA) report, which is necessary in order to receive the environmental permit.

The report was prepared with the support of national experts and contains the following main chapters:

- General information about company;
- Legislative analysis;
- EU regulations;
- Analysis of environmental conditions;
- Analysis of alternatives;
- Characterization of impact on natural and social environment of a production facility;
- Factors of physical impact on environment;
- Characterization of infrastructure, social and socio-economic indicators;
- Emergency response plan;
- Methods of cumulative impact control and monitoring of environment to initial; condition in case of termination of activities.

The non-technical resume of the document has also been prepared.

The final report was submitted to the Permit Department of the MoENRP for comments. The public hearing of the document will be arranged on July 3. The aim of the public hearing is to give the opportunity to the stakeholders to get information about the document, discuss interesting issues and provide comments. After incorporation of the comments the document will go through the ecological expertise process in the MoENRP to receive the permit.

Once LTD Zugo receives the EIA permit (we expect LTD Zugo to get the permit by the end of July), the project will start the process of issuing grant to help the company to increase efficiency and reduce energy consumption.

Annex 9. Draft EIA report for LTD Zugo

Issuing grants to support GHG mitigation, energy efficient technologies and source separation programs

As it was noted in the previous reports, the assessment of municipal waste recycling companies operating in WMTR program target regions showed that most of them have a very limited capacity and, at the same time, do not operate legally. Therefore, the program team decided to identify and communicate with municipal waste collection and recycling companies operating in other regions of Georgia and suggest that they extend their operation to WMTR program target regions – Kakheti Region and Adjara AR.

[1]Out of the three recycling companies operating in the project target regions, only Zugo LTD has passed the pre-award assessment requirements.

A detailed questionnaire has been developed, which includes questions related to the following topics:

- General information about the company
- Trainings attended by the company representatives
- Available documents (e.g. business plans, waste management plans, etc.)
- Equipment
- Collection of waste
- Risks associated with operation of the company
- Project grant components

Each of the above-mentioned topics includes detailed questions.

The questionnaire was provided to 16 collection and recycling companies operating in the following regions:

- 4 Plastic recycling or companies (Tbilisi, Kvemo Kartli, Imereti Regions);
- 8 paper recycling companies (Tbilisi, Shida Kartli, Mtskheta-Mtianeti Regions);
- 1 Glass recycling company (Shida Kartli)
- 3 Waste collection companies (Tbilisi, Kvemo Kartli Region).

Out of 16 companies only 8 companies provided filled-in questionnaires. The project team is currently analyzing questionnaires. Based on the assessment, the companies that have the potential to receive grant from the project will be identified.

At the same time, a detailed baseline assessment report will be prepared that will provide information about the existing situation related to the waste recycling and collection sector in Georgia – capacity, needs, obstacles and potential/possibility to extend the operations to the project target regions and thus help to meet project indicators outlined in *Outcome 2* - Strengthened capacity and efficiency of recycling companies and an improved enabling environment of the PMP.

Training for recycling companies on business plan development

On May 6-8, a training for recycling companies on business plan development was held in CENN's Bulachauri Green Center. Representatives of 6 companies participated in the training.

The following topics were discussed during the training:

- Identification of target consumers;
- Development of the products/services;
- Competition and comparison of competitors;
- Sales analysis;
- Development of companies' operation schedules;
- Management of companies' capacities;
- Raw materials and supply chain;
- Staff of the companies;
- Effectiveness of marketing operations and changes;
- Financial analysis.

The topics discussed during the training will help the owners of the recycling companies to better plan their businesses and improve their operation - administration, management, collection, efficient transportation of waste.

Annex 10. Presentation on business plan development

Meeting of Waste Management Association of Georgia on National Strategic Vision and the Activities to be Implemented

On June 5, 2015, a meeting of Waste Management Association of Georgia was held at Betsy Hotel, Tbilisi.

The head of the Division of Wastes and Chemicals Management of the MoENRP provided information to representatives of various companies on the strategic vision of the Ministry concerning waste management.

Participants were actively involved throughout the meeting. The entrepreneurs asked questions on issues of interest and were given thorough information on the future plans of the executive branch of power regarding waste management. In addition, new legal persons were also registered in the Waste Management Association.

Signatures of legal persons on the Charter of the Association were notarized and submitted to the National Agency of Public Registry, along with other documents required by the legislation of Georgia.

The Association will contribute to identification of problems in the sphere of waste management and actively cooperate with governmental agencies, non-governmental and donor organizations in order to correct existing deficiencies.

At the early stage of the Association's development, WMTR program will serve as a link between the companies and the legislative and executive branches of power. This will ensure successful lobbying for solutions to problems that exist in the sphere.

Component 3: Waste Management Strategy and Tariff Policy

Carrying-out tariff and cost recovery assessments in Adjara and Kakheti

WMTR team conducted a tariff and cost-recovery assement in Kakheti Region and Adjara AR.

All stakeholders – governmental representatives, private sector and general population - in four villages of each municipality of Kakheti Region and Adjara AR were interviewed by WMTR program field team using questionnaires developed by the project. A total of 32 villages in Kakheti Region and 20 villages in Adjara AR were assessed and respective questionnaires were filled in. The four villages were selected according to the following criteria: population – one small and one large village, distance from the center of the municipality - one village that is close to the center and one that is far away from the center.

In addition to the interviews, existing laws and regulations, contractual agreements between the municipalities and waste service provider companies, tendering documentation and other reports were reviewed.

Based on this analysis, a draft Tariff and Cost Recovery Assessment Report was developed. This report provides a comprehensive assessment of the current situation regarding waste tariffs and cost recovery in Adjara AR and Kakheti Region and focuses mainly on municipal waste.

The report covers legal and institutional framework of tariff and cost recovery system in the country. All fundamental laws regulating waste management and waste tariffs are reviewed. It also describes all institutions and bodies responsible for waste management and fee administration in Georgia and particularly in Adjara AR and Kakheti Region. The report also evaluates the socio-economic situation in these regions and reviews experience of Germany and Poland regarding waste tariffs and cost recovery.

The report provides the main findings regarding current status of waste management and cost recovery in municipalities and willingness to pay of the households based on the official information obtained from city halls/municipality officials and results of the survey conducted in the villages of both regions. Each municipality of Adjara AR and Kakheti Region is reviewed separately in order to study the current status of waste management (availability of waste collection service, its coverage, landfills, and illegal dumpsites), cost recovery (amount of fee, rate of fee payment, expenses and revenues), public awareness and problems inside the system.

Based on the key findings and conclusions, this report provides recommendations for the implementation of well-functioning cost recovery system in Adjara AR and Kakheti Region. The recommendations are designed to be feasible and well-tailored to the needs of municipalities and are elaborated taking into consideration institutional capacities, socio-economic background, legislation and public awareness.

The report will be finalized in July, 2015.

Annex 11. Draft tariff and Cost-Recovery Assessment Report

Public lectures on Economic Aspects of Waste Management: Role of Tariffs in the Economy of a Country

On May 1 and 5, 2015, a public lecture on *"Economic Aspects of Waste Management: Role of Tariffs in the Economy of a Country"* was held in Batumi and Telavi State Universities. The lectures were attended by around 120 University students and academic staff.

Open lecture in Batumi University

Open lecture in Telavi University

The lectures covered the current situation in two regions of Georgia – Kakheti and Adjara Autonomous Republic – in terms of municipal waste tariff systems. The following issues were discussed during the lectures: solutions to tariff-related problems, the role of tariffs in the economy of the country, and international practices andlegal basis for tariffs and methods of bringing the current Georgian legal base into compliance with the requirements of the Association Agreement.

The lecture was conducted in an interactive format. During the discussion, students expressed their visions and opinions on setting directions essential for tariff policy.

Annex 12. Presentation - Role of Tariffs in the Economy of a Country

Development of Public Service Announcement (PSA)

The scenario of the Public Service Announcement (PSA) was developed. This PSA will provide a message to the public on the importance of the tariff system and will show the linkage between the tariff fee collection and clean and healthy environment. The PSA will be finalized in July, 2015 and will be broadcasted via Public Broadcaster.

Component 4: Communication and Outreach

Open Classes on Integrated Waste Management Themes in Public Schools of Adjara and Kakheti

WMTR team continues conducting open educational classes on integrated waste management issues in Kakheti Region and Adjara AR public schools.

Between March 18 and June 3, 2015, open classes on the *Basics of Integrated Waste Management* were conducted at the following public schools in Kakheti:

Kvareli Municipality:	the public schools of Mtisdziri, Sanavardo, Gavaza and Bolgojiani villages;
Lagodekhi Municipality:	Lagodekhi #1 and #3 public schools, #1 public school of Kabali; #1 and #2 public schools of Apeni, public schools of Shroma, Matsimi, Lelian and Giorgeti villages;
DedoplistskaroMunicipaliry:	Dedoplistskaro #1 and #2 public schools, Public schools of Gamarjveba, Arboshiki, Pirosmanivilaages and #1 Public School of ZemoKeda;
Signagi Municipality:	Signagi Public School, #1 and #3 public schools of Tsnori, Nukriani Public School #1, public schools of Bodbe, Magaro, Anaga, KvemoMachkhaani and Tibaani villages.

The open classes covered issues such as: current approaches to waste management, US and European experiences in waste management and challenges that Georgia faces in this area. The students also got acquainted with the 4Rs (Reduce, Reuse, Repurpose, Recycle) approach, the introduction of which is essential for the promotion of sustainable waste management principles in Georgia.

During the open classes, students were notably active and showed interest in issues such as landfills operations, waste-recycling plants and fines for pollution. During the course of the discussions it became obvious that the students believed that raising public awareness on environmental issues and introducing fines for environmental pollution were essential for successful integrated waste management.

Overall, 657 students of grades 9-12 attended the above-mentioned open classes.

Training on Project Cycle Management for Kakheti and Adjara School Students

On April 7-9, May 9-11 and June 20-22, 2015 a series of trainings on Project Cycle Management was conducted for students of public schools of Kakheti Region and Adjara AR. A total of 47 school students of grades 9-11 participated in the trainings from both project target regions.

School students were introduced to project components and project writing principles during three-day trainings at the Green Centre in Bulachauri. The training was conducted under the principle “learning by doing”, during which the children worked in teams of 4-5 people.

The teams brought forward their ideas on raising awareness about waste management to provide changes in a community, within a given budget and timeframe and worked over 3 days to shape them into projects. The participants came up with an idea, identified target groups, made up a problem tree and project indicators, thought through alternative solutions to the problems, planned activities and composed a budget.

All participants were awarded certificates of participation.

The Training on Project Cycle Management will help students of public schools in the target regions acquire the skills necessary for the planning and implementation of environmental activities. The trainings on Project Cycle Management for students from public schools in Adjara and Kakheti will continue in June 2015 and in the next academic year as well.

1st Training, April 7-9, 2015

2nd Training, April 7-9, 2015

3rd Training, April 7-9, 2015

Annex 13. Presentation – Project Cycle Management

Earth Day Celebration

In April 22, 2015 WMTR program, together with NGO "ECOVISION", the Ministry of Environment and Natural Resources, Tbilisi City Hall and Solid Waste Management Company of Georgia celebrated the 45th annual Earth Day in Tbilisi Zoo.

The main message of the youth during the Earth Day was the importance to Reduce, Reuse, Repurpose and Recycle waste.

The event was attended by USAID Mission Director in Georgia, Mr. Stephen Haykin. Mr. Haykin welcomed the participants of the event and stressed the importance of WMTR project to support proper waste management in Georgia. USAID Mission Director also explained the importance of Earth Day celebration and in general youth involvement in the environmental campaigns and activities.

The public was also addressed by:

- Damian George – ICMA, Europe & Central Asia Programs Director;
- Nana Janashia – CENN Executive Director;
- Nino Sulkhanishvili – "ECOVISION" Director;
- Maia Bitadze – Deputy Minister of Environment and Natural Resources;
- Irakli Lekvinadze – Deputy Mayor of Tbilisi;
- Ketevan Grigolia – Ministry of Education and Science representative.

During the event, winners and participants of the Slogan & Poster on Sustainable Waste Management competition were awarded.

Earth Day Event's other activities included exhibition of posters of the competition, pieces of art made of used materials - plastic bottle cap panel and a globe, a flash mob, environmental educational-entertaining activities related to environment issues. Used toys and books were collected for children's shelter and at the end of the day 20 different types of trees were planted on the territory of Tbilisi Zoo.

The earth day event gathered around 100 kids and wider public representatives.

World Run Event in Telavi

On May 3, 2015, WMTR Program, with the support from the MoEPNR, participated in Life World Run in Kakheti, a global running event in aid of the search for a cure to spinal cord injuries;

With the goal to raise awareness of integrated waste management issues, separation bins for plastic bottles and cans were place in 3 different places at the event. 50 volunteers participated in the clean-up activity, collecting plastic bottles, cans and other waste separately. As a result, around 10,000 plastic bottles and cans were collected at the event that will later be recycled.

WMTR and EC-LEDS Clean Energy Programs at the America Days Festival

On June 6, two USAID funded projects: WMTR and EC-LEDS participated together in the America Days Festival, at Rike Park, Tbilisi.

The Programs hosted guests at an information tent, providing them with information on energy efficiency and sustainable waste management.

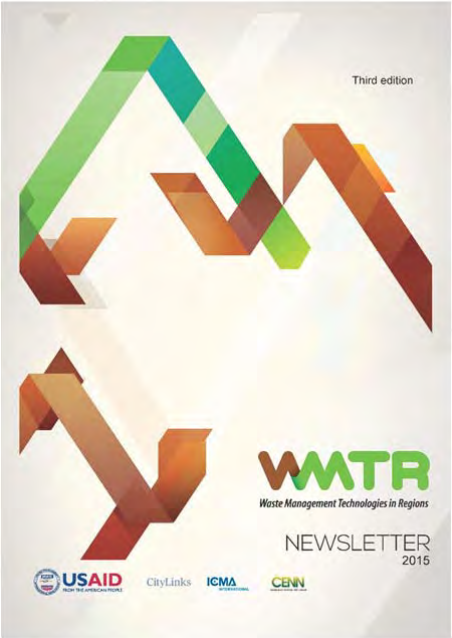
Guests were introduced to the Programs' activities, and ways to reduce energy and waste at homes, thus saving money. Booklets, t-shirts and caps were distributed to festival guests.

The event proceeded in a fun and interesting manner, and ended with the concert of an American band – Dangerflow.

Program quarterly newsletter

The program's third quarterly newsletter has been developed in English and Georgian and distributed through CENN Electronic Network, which has more than 24,000 subscribers worldwide.

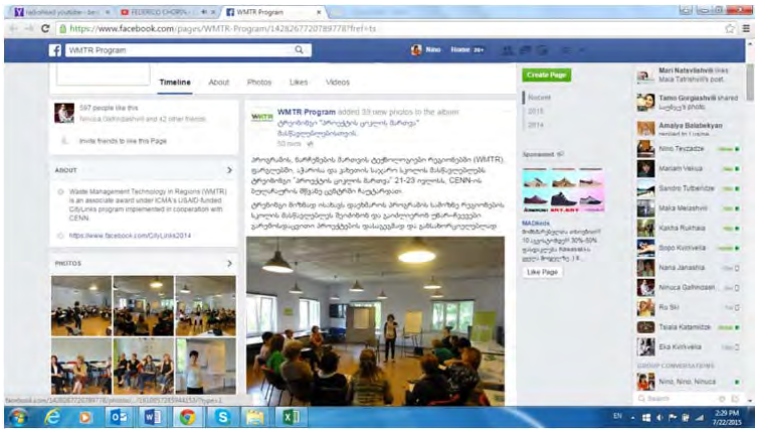
The newsletter provides information about the program: goal and activities highlights in the period of March-June, 2015. The Newsletter aims to keep the public informed about and, involved in, WMTR program implementation process. The newsletters are being developed and published on a quarterly basis.



Please follow the link to download the newsletter:
In English: Link
In Georgian: Link

Maintaining the Eco-camp alumni Facebook Page

WMTR staff continues updating a program Facebook (FB) Page. Through this FB page the general public, including school students from the project target regions are receiving updates regarding the implementation of the program – competitions, trainings, workshops, grants announcements; information about ongoing activities and news on modern practices in waste management are also regularly posted on the FB page.



Please follow the link Linkto visit the web-page.

WMTR Weekly Green Advice

From April, 2015 the project team started preparation of the green advice and distributing it through CENN electronic network and posting on the project FB page every week. The aim of the green advice was to change the behavior of the general public and show them the ways how to apply the 4R (reduce, reuse, repurpose, recycle) practice in everyday life.

Please see below Weekly Green Advice distributed in April-June, 2015:

USAID FROM THE AMERICAN PEOPLE CityLinks ICMA Leaders at the Core of Better Communities CENN

ყოველკვირეული მწვანე რჩევა
პროგრამისგან – *წარჩენების მართვის ტექნოლოგიები რეგიონებში* (WMTR)

Weekly Green Advice
From
Waste Management Technologies in Regions
(WMTR) Program

დედამიწის დღე ახლოვდება!

22 აპრილს მსოფლიო 45–ე დედამიწის დღეს ზეიმობს.

ერთად აღვნიშნოთ დედამიწის დღე და შევამციროთ ჩვენი უარყოფითი ზეგავლენა გარემოზე:

- შევამციროთ პლასტმასის ბოთლების მოხამრება!
- გადავიდეთ მრავალჯერადი გამოყენების (დატენვადი) ბატარეების მოხმარებაზე!
- გამოვიყენოთ ნივთები სხვა დანიშნულებით, მივცეთ მათ ახალი სიცოცხლე!

Earth Day is coming!

The world celebrates 45th Earth Day on April 22.

Let's celebrate it together and reduce our environmental footprint:

- Consume less plastic water bottles!
- Switch to rechargeable batteries!
- Repurpose something, give it a new life!

WMTR Waste Management Technologies in Regions

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ყოველკვირეული მწვანე რჩევა
პროგრამისგან – *წარჩენების მართვის ტექნოლოგიები რეგიონებში* (WMTR)

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შევამციროთ კვების ნარჩენები:

- სწორად განვსაზღვროთ ჩვენი მადა, რესტორნებსა და კვების ობიექტებში შევუკვეთოთ იმდენი, რამდენსაც შევჭამთ!
- დავგეგმოთ ყოველკვირეული კერძები და ვიაროთ საყიდლებზე საჭირო პროდუქტების სიით!
- ვიყიდოთ მხოლოდ ის, რაც გვჭირდება, მოვერიდოთ იმპულსურ შესყიდვებს!

Let's reduce food waste:

- Know your appetite; don't order more than you can eat at restaurants and cafeterias!
- Plan your weekly meals and go grocery shopping with a shopping list!
- Avoid impulse purchases!

WMTR Waste Management Technologies in Regions

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ყოველკვირეული მწვანე რჩევა პროგრამისგან – *წარჩენების მართვის ტექნოლოგიები რეგიონებში* (WMTR)

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იაფზე ძვირი არაფერია:

Nothing is more expensive than buying cheap:

მივანიჭოთ უპირატესობა ხარისხს, ფასი, შესაძლებელია შედარებით მაღალი იყოს, მაგრამ ხარისხიანი პროდუქცია ბევრად დიდხანს ძლებს.

Buy quality, price of quality products may be higher, but they will last much longer.

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შევამციროთ ქაღალდის მოხამრება:

Reduce paper usage:

- მასალები მხოლოდ აუცილებლობის შემთხვევაში ამოვბეჭდოთ!
- ამობეჭდვის დროს გამოვიყენოთ ორივე გვერდი!
- გამოვიყენოთ ინფორმაციის გავრცელების, მიწოდებისა და შენახვის ელექტრონული ფორმატი!

- Think before you print! Print out materials only if necessary!
- Print on both sides of the paper!
- Use electronic format for the distribution, supply and storage of information!

WMTR Waste Management Technologies in Regions

ყოველკვირეული მწვანე რჩევა
პროგრამისგან – ნარჩენების მართვის
ტექნოლოგიები რეგიონებში (WMTR)

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Program

შევამციროთ პლასტიკის ნარჩენი – უარი ვთქვათ საწრუპებზე:

- პლასტიკის საწრუპი ხშირად არის ერთჯერადი გამოყენების ნივთი, რომელიც უბრალოდ <u>არ არის საჭირო</u>!
- ბოლო 25 წელია საწრუპები იმ ნარჩენთა ათეულში შედის, რომლებსაც ყველაზე ხშირად პოულობენ სანაპიროებზე, სანაპიროების დასუფთავების საერთაშორისო კამპანიის ფარგლებში.

Reduce plastic waste – say NO to straws:

- A plastic straw is often a single-use item that's just <u>not necessary</u>!
- Over the past quarter century, straws have been one of the top ten items found on beaches around the world during the International Coastal Cleanup campaigns.

ყოველკვირეული მწვანე რჩევა
პროგრამისგან – ნარჩენების მართვის
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ტრადიციული VS ენერგოეფექტური ნათურები:

- ენერგოეფექტური ნათურები 25-80%-მდე ნაკლებ ელექტროენერგიას მოიხმარს ვიდრე – ტრადიციული, რის შედეგადაც ეზოგავთ ფულს!
- ენერგოეფექტური ნათურები 3-25-ჯერ დიდხანს ძლებს ვიდრე – ტრადიციული, ანუ – <u>წარმოექმნით ნაკლებ ნარჩენს და ეზოგავთ ფულს!</u>

Traditional Incandescent VS Energy-Efficient light bulbs:

- Energy-efficient light bulbs typically use about 25%-80% less energy than traditional incandescent, <u>saving you money!</u>
- Energy-efficient light bulbs can last 3-25 times longer, thus <u>produce less waste and save you money!</u>

ყოველკვირეული მწვანე რჩევა
პროგრამისგან – წარჩენების მართვის
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დეტალები მიშვნელოვანია – შევიტანოთ მცირე ცვლილებები ჩვენს ყოველდღიურობაში:

Details matter - start with small changes in our everyday life:

- გამოვიყენოთ ნაჭრის პირსახოცები ქაღალდის ხელსახოცების ნაცვლად!
- მოვერიდოთ ცალ–ცალკე შეფუთული საგნების მოხმარებას!

- Use hand-towels instead of paper napkins in the bathroom!
- Avoid individually packed products!

ყოველკვირეული მწვანე რჩევა
პროგრამისგან – წარჩენების მართვის
ტექნოლოგიები რეგიონებში (WMTR)

Weekly Green Advice
From
Waste Management Technologies in
Regions (WMTR) Program

გადავარჩინოთ ხეები და დავზოგოთ ფული:

Save trees and save money:

- შევიძინოთ ელექტრონული ან მეორადი წიგნები!
- ვთხოვოთ წიგნი მეგობარს!

ან

- გამოვიტანოთ იგი ბიბლიოთეკიდან!

- Buy e-books or second-hand ones!
- Borrow them from a friend! Or
- Go to the library!

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სიგარეტის ნამწვითაც ვანაგვიანებთ გარემოს:

- არის მსოფლიოში გარემოს დაბინძურების ყველაზე გავრცელებული ფორმა!
- არ არის ბიოდეგრადირებადი!
- არის ტოქსიკური – მომწამვლელია ბავშვებისა და ცოცხალი არსებებისთვის!

ამიტომ

- არ დავაგდოთ სიგარეტის ნამწვი ძირს!
- გამოვიყენოთ ჯიბის საფერფლეები!

Cigarette BUTTS are litter too:

- The most littered item in the world!
- Not biodegradable!
- Toxic – poisonous when ingested by living organisms!

So

- Don't throw cigarette butts on the ground!
- Use pocket ashtrays!

ყოველკვირეული მწვანე რჩევა

პროგრამისგან – წარჩენების მართვის ტექნოლოგიები რეგიონებში (WMTR)

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არასდროს წახვიდეთ საყიდლებზე მშიერ კუჭზე:

- მშიერი ადამიანი უფრო მეტ ფულს ხარჯავს, მეტ არასასურველ პროდუქტს ყიდულობს და, შესაბამისად, მეტ საკვებ ნარჩენს წარმოქმნის!

ამიტომ

- წავიხემსოთ საყიდლებზე წასვლის წინ

და

- ყოველთვის წავიღოთ საყიდლების სია!

Never go grocery shopping on an empty stomach:

- Hungry shoppers spent more money, and buy more products, thus waste more food than less-hungry ones!

So

- Take a quick snack before going shopping

and

- Always take a shopping list!

Table 1. Number of People Reached through Outreach Campaign

Channel of Communications	Type of Information	Size of Audience
TV Channel Tanamgzavri, March 30, 2015, Link	Paper waste recycling in Kakheti region and WMTR – City-to-City Exchange Program	71 views
TV Channel Tanamgzavri, April 16, 2015, Link	Discussion of Waste Management Approaches in EU countries in Telavi City Hall	36 views
Social media, USAID/Georgia Facebook page, April 22, 2015, Link	WMTR Program celebrate Earth Day	31 Likes, 15 Shares
Social media, Ministry of Environment Protection Facebook page, April 22, 2015, Link	Celebration of Earth Day – exhibition of Adjara and Kakheti school students' works on sustainable waste management	367 Likes, 215 Shares
Social Media, Tbilisi Zoo Facebook page, April 22, 2015, Link	Celebration of Earth Day	40 Likes, 3 Shares
Radio Tavisupleba (Liberty), April 22, 2015, Link	Earth Day in Tbilisi – Reduce Waste	217 Shares
Social media, Ministry of Environment Protection Facebook page, April 22, 2015, Link	Celebration of Earth Day	161 Likes, 20 Shares
Social Media, ECOVISION Facebook page, April 22, 2015, Link	Earth Day 2015	28 Likes, 2 Shares
Social media, Ministry of Environment Protection Facebook page, May 3, 2015, Link	Waste Separation at World Run Event in Telavi	190 Likes, 29 Shares
TV Channel 25, May 14, 2015,Link	Discussion of Waste Management Approaches in EU countries in Batumi	3 Shares
Adjara TV, May 14, 2015, Link	Discussion of Waste Management Approaches in EU countries in Batumi	134 views
Radio Tavisupleba (Liberty), May 21, 2015, Link	Household waste and it's management	862 views, 513 Likes, 24 Shares
Maestro TV "1 Minute on Maestro", June 8, 2015, Liink	WMTR Talking about waste and waste management	186 views, 1004 subscribers,
Kakheti News, June 23, 2015, Link	Opening of Sviana Recreational zone	205 Likes
Good News Agency, June 25, 2015, Link	New Recreational zone in Sviana	69 Likes, 215 Shares
29 E-Digests from WMTR disseminated via CENN's online network	WMTR activities and integrated waste management-related issues	24,000 subscribers
Summary	29 E-Digests on WMTR program were developed and disseminated via CENN E-Network 24,000 subscribers TV Channel Tanamgzavri -Approximate number of audience 12,000 Maestro TV "1 Minute on Maestro" – 1,004 subscribers Number of people reached is 638 (2,553 views divided by 4, considering that 1 person is using 4 different channels of information). Average number of people reached through Facebook page posts 6,060. Number of people reached through outreach campaigns is 42, 698.	

Major Activities Planned for Next Quarter

- Organization of the Stakeholder Consultative Group meeting in September, 2015;
- Purchasing portable equipment for landfill gas (GHG) measurement/monitoring and measuring GHG emissions from landfills in the project target regions;
- Finalization of the By-Law on the Construction, Operation, Closure and After-Care of Landfills in cooperation with the MoENRP;
- Development of the By-Law on Rules of Collection and Treatment of Municipal Waste in Cooperation with the MoENRP;
- Finalization of Gurjaani landfill closure plan in cooperation with Solid Waste Management Company;
- Implementation of City-to-City partnership activities - study tours of the Georgian delegations to Catawba County and the city of Golden is organized and being implemented;
- Implementation of the waste composition study in Kakheti Region and Adjara AR;
- Implementation of the pilot project - *Piloting of Integrated Waste Management Systems in Target Areas of Telavi Municipality,* which will be carried out in 5 selected villages in Telavi municipality;
- Selection and closure of illegal waste dumpsites in cooperation with local governments in the project target regions;
- Trainings for local self-government representatives and waste collection companies according to the recommendations provided in the report: *Municipal Waste Management Capacity Analysis in Adjara AR and Kakheti Region in Georgia*, developed by WMTR program;
- Assessment of the recycling companies operating outside the project target regions; selection of potential grant recipient companies;
- Development of the Strategy and Action Plan for Waste Management association;
- Finalization of Environmental Impact Assessment (EIA) Report for recycling company LTD Zugo;
- Initiation of energy audit for LTD Zugo;
- Initiation of the 1st cycle of grant program for 1 recycling company to increase efficiency, reduce energy consumption/GHG emissions;
- Organization of round-table meetings for Association of Legal Entities of Waste Management of Georgia;
- Organization of annnual national workshops and seminars to share experiences and leading practices in the recycling sector;
- Finalization of the tariff and cost recovery assessment report for the target regions – Kakheti and Adjara AR;
- Presentation of the final version of the tariff and cost recovery report/recommendations to stakeholders at central and local levels;
- Development of general methodology for tariff calculation and draft of the cost recovery scheme;
- Development of PSA on tariff issues;
- Public education and outreach related to cost recovery enhancement and implementation of a public awareness campaign in target regions (Kakheti and Adjara AR).

- Implementation of the wide public education and outreach campaigns to promote 4Rs and ISWM in the project target regions;
- Production of promotion materials such as training and marketing tools, posters, PSA, TV and radio reportages, leaflets, presentations, and others on waste management, 4Rs and tariff and cost recovery issues;
- Organization of competitions for school students in the target regions;
- Organization of youth summit on ISWM issues for school students from the project target regions;
- Organization of trainings on ISWM issues for journalists and school teachers from the project target regions;
- Organization of multi-stakeholder information roundtables in the target regions to promote 4Rs and ISWM;
- Organization of summer camps for school students from the project target regions to train them in ISWM/4R related issues;
- Organization of cleanup activities/green cafes;
- Announcement of a grant competition for schools in target regions and issuing of grants.

Progress on PMP Indicators

Indicators and Target / Actual Values for Waste Management Technologies in Regions Program (2014-2016)

Indicator	Data Source	Unit	Frequency	Base Line	Target and Actual Values by Year *(cumulative)*								
					T1	A Apr 14	A Oct 14	T2	A Apr 15	A Oct 15	T3	A Apr 16	A Oct 16
OUTCOME INDICATORS **Desired Impact: Contribute to reduced GHG emissions and improved natural resource management practices**													
Number of hectares of biological significance and/or natural resources under improved natural resource management as a result of USG assistance. This is a F-indicator 4.8.1-26.	Remediation plan, implementation progress reports	Ha	Bi-Annual (April and October)	TBDY 1	0			3K	Sviana recreational zone - 1,2 ha. Tusheti protected area– 113,660 ha		10K		
Greenhouse gas (GHG) emissions, estimated in metric tons of CO2 equivalent, reduced, sequestered and/or avoided as a result of USG assistance. This is a F-indicator 4.8.-7.	GHG emissions report	Metric tons CO2	Bi-Annual (April and October)	TBD Y1	0			5K	Portable equipment for landfill gas measurement/monitoring should be purchased to measure GHG emissions from landfills in the project target regions and assess the potential for GHG emissions reduction.		25K		
Total public and private funds leveraged by USG energy and environmental projects. This is a custom	Stakeholder interviews and progress report including commitment letters from the public and private sources	Dollar	Bi-Annual (April and October)	0	0			0	Telavi pilot project. Contribution of Telavi municipality will be GEL 182,920		10M		

indicator													
Number of sub-national government entities that improved their performance to identify and apply appropriate solutions to the three target urban development challenges as a result of USG assistance. This is a custom indicator	WMTR annual reports	Count	Bi-Annual (April and October)	0	0			7	This target will be meet next year, when the municipal waste management plans will be developed (WMTR team developed aguideline for the development of municipal waste management plans. However, the development of concrete plans for each municipality has been postponed until the waste management strategy is developed. The MoENRP plans to develop the waste management strategy by December 31, 2015).		10		
Number of replicable solutions developed and tested. This is a custom indicator	WMTR annual reports	Count	Bi-Annual (April and October)	0	0			1	Telavi municipality pilot project (already approved)		2		
OUTPUT INDICATORS **Outcome 1: Established waste management system and an improved implementing capacity of the public and private sector;** **Outcome 3: Developed waste management strategy and tariff policy with strong public participation**													
Number of laws, policies, strategies, plans, or regulations addressing climate change (mitigation or adaptation) and/or biodiversity conversation officially proposed, or adopted as a result of USG	GOG reports	Count	Bi-Annual (April and October)	0	0			2	Waste Management Code (review) Integrated Solid Waste Management plans Guideline (prepared and finalized) By-law on the		10		

assistance. This is an adaptation of the F- indicator 4.8.2-28									Construction, Operation, Closure and After-Care of Landfills (will be finalized in July) By-Law on Rules of Collection and Treatment of Municipal Waste Gurjaani landfill closure plan (will be finalized by the end of fiscal year, 2015)				
Number of remediation plansfor illegal landfills developed. This is a custom indicator	WMTR and GOG reports	Count	Bi-Annual (April and October)	0	0			1	Gurjaani landfill closure plan includes remediation activities (in the process)		2		
Number of closed landfills/dumpsites undergoing remediation applying sound waste management practices. This is a custom indicator	WMTR and GOG reports	Count	Bi-Annual (April and October)	0	0			1	Gurjaani landfill closure plan (in progress)		2		
Number of waste facilities applying sound waste management practices as a result of USG assistance. This is a custom indicator	WMTR and Facilities reports	Count	Bi-Annual (April and October)	0	0			1	Telavi Pilot Project (set up of waste separation practice)		2		
Number of person hours of training completed as a result of USG assistance.	WMTR progress reports	Count	Bi-Annual (April and October) Quarterly	0	500		2,400	2,900	5,155.5		4,200		

This is a F-indicator													
Percentage increase in sales of recycled products. This is a custom indicator	Recycling company reports and interviews	Percent	Bi-Annual (April and October)	0	0			10%			40%		
Percentage increase in recycling materials supplied to and utilized by recycling companies. This is a custom indicator	Recycling company reports and interviews	Percent	Bi-Annual (April and October)	0	0			40%			100%		
Number of recycling products meeting international standards. This is a custom indicator	Recycling company reports and interviews	Count	Bi-Annual (April and October)	TBD Y1	0			0			1		
Percentage increase in the volume of recycled paper, glass and plastic bottles. This is a custom indicator	Recycling company reports and interviews	Percent	Bi-Annual (April and October)	0	0			0			20%		
Number of recycling facilities applying sound waste management practices. This is a custom indicator	Progress/ HICD report	Count	Bi-Annual (April and October)	TBD Y1	0			2	1 (LTD Zugo will receivethe Environmental permit soon)		5		
Outcome 4: Engaged and informed community in waste management and the 4 R's.													
Number of people reporting changes in behavior practices at home or at work. This is a custom	Stakeholder questionnaires focus groups and annual reports	Count	Bi-Annual (April and October)	0	0			20K	Behavioral changes will be reported by the end of the fiscal year		50K		

indicator													
Number of people reached through outreach campaigns. This is a custom indicator	Quarterly reports	Count	Bi-Annual (April and October) Quarterly	0	5K		71,677	150K	156,156		250K		
Outcome 5: Enhanced capacity of local non-profit partner to lead USAID SWM programs.													
Percentage of yearly HICD targets achieved by partners and beneficiaries. This is a custom indicator	Annual report	Percent (non-cumulative)	Bi-Annual (April and October)	0	0%			100%			100%		