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**MINUTES OF THE SUBMISSION OF THE ANNUAL SOLID WASTE MANAGEMENT (SWM) REPORT TO THE BOARD ON 23rd JULY 2024 AT A SAALA HOTEL ON TUESDAY 1:30 PM.**

**Present**:

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| **S/NO** | | **NAME** | **PHONE** | **DESIGNATION** | **EMAIL ADDRESS** |
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**MIN 1/7/2024. Opening Remarks**

The meeting was called to order by Hassan Wako Wario, who welcomed all attendees and acknowledged the importance of the Annual Solid Waste Management (SWM) Report for the Municipality of Isiolo.

**MIN 2/7/2024. Presentation of the Annual Solid Waste Management (SWM) Report**

The Municipality Manager, presented the Annual SWM Report to the Board. The report provided an in-depth overview of the Municipality's solid waste management practices over the past year, including:

* **Waste Generation Data**: The estimated total waste generated by the Municipality, highlighting key trends and challenges.
* **Collection and Disposal Systems**: An overview of waste collection coverage and the methods of waste disposal used, including open dumping and the challenges faced in waste collection and transportation.
* **Recycling Efforts**: A summary of the current status of recycling initiatives and the percentage of waste diverted from landfills.
* **Public Awareness Campaigns**: An update on the ongoing awareness programs aimed at educating the public on waste segregation and sustainable waste practices.
* **Challenges**: Discussion of the key challenges, including insufficient infrastructure, lack of funding, and limited public engagement in waste segregation.

### **MIN3/7/2024 Discussion on Key Recommendations**

Following the presentation of the Annual Solid Waste Management (SWM) Report, the Board engaged in a detailed discussion on the proposed key recommendations, which were crucial for improving the Municipality’s waste management systems. Below are the key recommendations discussed:

**1. Expansion of Waste Collection Services**

**Recommendation**: *Increasing the number of waste collection vehicles and expanding services to underserved areas.*

**Discussion**:  
The current waste collection services in Isiolo Municipality face limitations in coverage, particularly in informal settlements and outlying areas. The existing fleet of waste collection vehicles is insufficient to handle the growing population and the increasing waste generation. As a result, waste often accumulates in various parts of the Municipality, leading to environmental hazards, health risks, and visual pollution.

To address this, the Board discussed the need for:

* **Procurement of Additional Waste Collection Vehicles**: This will ensure regular and efficient waste collection across the entire Municipality. The vehicles should be tailored for different waste types (e.g., organic, recyclable, and non-recyclable) to improve waste segregation at the point of collection.
* **Optimizing Collection Routes**: By analyzing waste generation patterns and population density, optimized routes for waste collection should be designed to ensure timely collection.
* **Community Involvement**: Engaging local communities to help with waste management, such as organizing neighborhood clean-up programs and reporting uncollected waste, was also suggested.

The Board recognized that expanding collection services would require additional funding and coordination between the local government, private waste management contractors, and community stakeholders. A phased approach to expansion was proposed to allow gradual scaling up as resources become available.

**2. Plan for establishing for Waste Segregation and Recycling facility**

**Recommendation**: *Implementing a Municipality-wide waste segregation plan and establishing recycling infrastructure facility in the next financial years.*

**Discussion**:  
Currently, waste in Isiolo Municipality is largely mixed, with limited effort towards segregation at the source. This leads to inefficiencies in recycling, increased landfill use, and higher disposal costs. The Board agreed that promoting waste segregation at the household level and increasing Plan to recycling efforts would be critical to managing waste sustainably.

Key actions discussed included:

* **Household Waste Segregation**: Launching a Municipality-wide waste segregation program where residents are encouraged to separate organic waste, recyclables (plastics, paper, glass, etc.), and non-recyclable waste. Educational campaigns targeting households, schools, and businesses will be essential.
* **Provision of Segregation Bins**: Distribution of color-coded bins to households and businesses to make it easier for residents to segregate waste properly. The Board suggested collaborating with local suppliers to ensure that bins are affordable and accessible.
* **Recycling Infrastructure**: Plan to Establishing recycling centers throughout the Municipality to process segregated recyclables. This could include partnerships with local and international companies specializing in recycling to create a sustainable model for waste-to-product systems.
* **Incentivizing Recycling**: Developing schemes to incentivize residents and businesses to recycle. This could include offering discounts on waste collection services for those who regularly recycle or organizing competitions with rewards for neighborhoods that exhibit the best waste management practices (This could be engaged through waste wise cities Programme a UN-HABITAT, GSMA and CATAPULT CONNECTED SERVICES Will establish study on waste management services.

The Board noted that successful implementation would require significant awareness campaigns and collaboration with private sector recycling companies.

**3. Public Engagement**

**Recommendation**: *Launching more public awareness campaigns to improve waste management practices among residents.*

**Discussion**:  
The Board acknowledged that waste management in Isiolo Municipality is largely hindered by a lack of public awareness regarding proper waste disposal practices, the benefits of recycling, and the environmental consequences of improper waste handling.

To address this, several initiatives were proposed:

* **Public Education Campaigns**: Launching widespread campaigns in schools, community centers, and local media to inform residents about the importance of waste segregation, the environmental impact of waste, and the long-term benefits of recycling.
* **Engagement with Local Leaders and Community Groups**: Collaborating with community leaders, women's groups, and youth organizations to help spread awareness and drive local-level initiatives. These groups could serve as advocates for better waste management practices in their communities.
* **Incentivizing Public Participation**: Encouraging public participation through rewards for clean neighborhoods or the best recycling practices. The Board suggested creating public events such as "Waste-Free Days" to promote waste-free living and engage people in activities like clean-up drives or waste recycling competitions.
* **Leveraging Technology**: Utilizing social media platforms and mobile apps to disseminate information and encourage residents to report waste management issues in real-time, such as missed collections or illegal dumping.

The Board emphasized that consistent communication and outreach programs would be vital to changing residents' attitudes toward waste management.

**4. Development of a Sanitary Landfill**

**Recommendation**: *Establishing a sustainable landfill site and exploring options for waste-to-energy programs.*

**Discussion**:  
The current waste disposal system in Isiolo Municipality primarily relies on open dumping, which poses significant environmental and health risks. The Board agreed that the establishment of a properly managed sanitary landfill was crucial to address these concerns and manage the Municipality's growing waste in an environmentally responsible manner.

Key points discussed included:

* **Site Identification and Development**: Identifying a suitable site for a sanitary landfill that is located away from residential areas and natural water sources. The site would need to be properly designed and managed to ensure minimal environmental impact.
* **Environmental and Health Standards**: Ensuring that the landfill meets international environmental standards for waste disposal, including leachate management, waste compaction, and methane capture. The Board also discussed the importance of conducting an Environmental Impact Assessment (EIA) before the landfill's construction.
* **Waste-to-Energy Programs**: Exploring the potential for waste-to-energy (WTE) technologies, such as anaerobic digestion and incineration, to reduce the volume of waste sent to landfills and generate renewable energy. The Board noted that WTE programs could provide both environmental and economic benefits by converting waste into usable energy.
* **Waste Management Plan**: Developing a comprehensive waste management plan that includes waste diversion strategies (e.g., recycling and composting) to reduce the amount of waste that ends up in the landfill, thus prolonging its lifespan and reducing environmental harm.
* **Public-Private Partnerships**: Exploring partnerships with private waste management companies that specialize in landfill management and waste-to-energy technologies to ensure the project’s sustainability.

The Board emphasized the importance of securing funding and partnerships to develop the landfill and waste-to-energy programs and set clear timelines for implementation.

**Recommendation**

The Board agreed on the urgency of implementing these recommendations to improve solid waste management in Isiolo Municipality. Each recommendation was considered a stepping stone toward creating a cleaner, more sustainable urban environment. The next steps included drafting an implementation timeline, identifying resource requirements, and forming working groups for each initiative

**4. Approval of the Report and Recommendations**

After a thorough discussion, the Board unanimously approved the Annual Solid Waste Management Report along with the proposed recommendations. The Board emphasized the need for a detailed implementation plan and timeline to ensure that the recommendations are successfully implemented.

**5. Action Items and Responsibilities**

The Board discussed and assigned specific action items to various stakeholders to ensure the successful implementation of the key recommendations for solid waste management. Each action item is designed to ensure accountability and progress in addressing the challenges related to waste management in Isiolo Municipality. Below are the detailed actions:

**Action Item 1: Municipality Manager (Halake Osman Dadacha)**

**Responsibility**: *To develop a detailed implementation plan for the recommended initiatives and submit it to the Board for review within 3 weeks.*

**Details**:

* **Task**: The Municipality Manager, Halake Osman Dadacha, is tasked with creating a comprehensive implementation plan that outlines the specific steps required to address the recommendations made by the Board. This plan will include the following components:
  + **Timeline**: A clear timeline with milestones for each initiative (e.g., waste collection expansion, recycling program, landfill development).
  + **Resource Allocation**: Identification of the resources (human, financial, material) required to implement the recommended actions.
  + **Stakeholder Engagement**: Outline of key stakeholders to be involved in each initiative, including private sector partners, community organizations, and local government departments.
  + **Monitoring and Evaluation (M&E)**: A framework for monitoring the progress of each initiative, measuring outcomes, and adjusting actions as needed.
  + **Risks and Mitigation**: Identification of potential risks (e.g., funding shortfalls, logistical challenges) and strategies to mitigate them.
* **Deadline**: The implementation plan must be submitted for Board review within 2 weeks to ensure that the initiatives are carried out efficiently and within the established timeframe.

**Action Item 2: Works Officer**

**Responsibility**: *To oversee the immediate implementation of short-term actions related to waste collection improvements.*

**Details**:

* **Task**: The Works Officer is responsible for ensuring that short-term actions aimed at improving waste collection are implemented promptly. This includes:
  + **Assessing Current Collection Systems**: Review the current waste collection coverage, identify gaps in service (particularly in underserved areas), and propose solutions for improvement.
  + **Procurement of Additional Waste Collection Vehicles**: Work with the procurement department to secure additional vehicles for waste collection, ensuring that they meet the Municipality's needs for expanded coverage.
  + **Optimizing Collection Routes**: Develop optimized waste collection routes to improve efficiency and ensure regular and timely collection, especially in areas with high waste generation.
  + **Short-Term Waste Collection Solutions**: In the interim, implement temporary solutions (e.g., mobile collection points) to address immediate gaps in collection services.
  + **Coordination with Private Contractors**: If necessary, liaise with private waste management contractors to increase the frequency of waste collection and ensure adequate coverage.
* **Deadline**: These actions should be implemented as soon as possible with regular updates provided to the Board to monitor progress. The Works Officer will report on progress within one months.

**Action Item 3: Public Relations Officer**

**Responsibility**: *To coordinate the launch of public awareness campaigns on waste segregation and recycling.*

**Details**:

* **Task**: The Public Relations Officer is tasked with coordinating and launching public awareness campaigns aimed at educating residents on proper waste management practices. The campaign should focus on:
  + **Waste Segregation at the Household Level**: Promote the importance of segregating waste into categories (organic, recyclable, and non-recyclable) at the point of disposal.
  + **Environmental Benefits of Recycling**: Educate residents about the environmental and economic benefits of recycling and reducing waste.
  + **Targeted Outreach**: Tailor campaigns for specific groups, such as schools, businesses, and households in informal settlements, to ensure maximum participation.
  + **Use of Media Channels**: Leverage local media (radio) and social media platforms to reach a broader audience. Also, organize community events like clean-up drives or recycling competitions to engage the public.
  + **Incentivizing Participation**: Consider incorporating reward systems for households or neighborhoods that adopt waste segregation and recycling practices effectively.
  + **Partnerships with Community Leaders**: Work with community leaders, local NGOs, and schools to promote waste management initiatives and encourage grassroots involvement.
* **Deadline**: The first phase of the public awareness campaign should be launched within 2 weeks, with follow-up activities and evaluations to continue throughout the year. Regular updates on the campaign's reach and effectiveness should be reported to the Board.

**Action Item 4: Finance Department**

**Responsibility**: *To prepare a budget for the expansion of waste collection services and the establishment of a sanitary landfill.*

**Details**:

* **Task**: The Finance Department is tasked with preparing a detailed budget that covers the costs associated with the expansion of waste collection services and the establishment of a sanitary landfill. This budget should include:
  + **Waste Collection Services**:
    - Costs related to procuring additional waste collection vehicles, bins for segregation, and the operation of the collection services.
    - Financial projections for expanding collection to underserved areas and increasing the frequency of waste collection.
  + **Sanitary Landfill Development**:
    - Estimating the cost of land acquisition, environmental impact assessments, and the construction of a sanitary landfill.
    - Budgeting for the installation of necessary infrastructure such as leachate management systems, waste compaction machinery, and methane capture systems.
  + **Waste-to-Energy Programs**: If included in the plan, budget projections for waste-to-energy infrastructure (e.g., incinerators, biogas facilities).
  + **Operational Costs**: Ongoing costs related to the maintenance and operation of waste collection services and the landfill site.
  + **Funding Sources**: Identifying potential funding sources, such as municipal funds, grants from international organizations (e.g., UN-HABITAT, Waste Wise Cities), and public-private partnerships.
* **Deadline**: The budget should be submitted to the Board for approval within [2] weeks, after which the Finance Department will work with other departments to ensure the funds and initiate procurement processes.

**Recommendation**

Each action item is critical to the success of Isiolo Municipality's waste management improvements. The Municipality Manager is responsible for coordinating the development of an implementation plan, while other departments, such as the Works Officer, Public Relations Officer, and Finance Department, will execute specific tasks to ensure smooth and timely implementation. Regular updates and progress reports will be presented to the Board to ensure alignment with the Municipality’s goals for sustainable waste management.

**6. Closing Remarks**

The Chairperson thanked the Municipality Manager and all those involved in compiling the report. The Board reiterated its commitment to improving the Municipality's waste management practices and ensuring that Isiolo becomes a model for sustainable waste management in the region. The meeting was adjourned at 330 pm.

**MIN 4/IM/7/2024: ADJOURNMNT**

Having no other business, the meeting ended at 3.30 pm with a prayer said by Mr. Osman Halake Dadacha.

Minutes taken and prepared by:

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|  | **Sign: Date:** |
| **Minutes Taken By:** | **Osman Halake,**  **Municipal manager/Secretary**  **Municipality of Isiolo** |
|  |  |
|  | **Sign: Date:** |
| **Minutes Confirmed By:** | **Hassan Wako Wario-Chairman**  **Board Municipality of Isiolo**  **County Government of Isiolo.** |