ACTION PLAN



WASTE COLLECTION AND DISPOSAL VIHIGA MUNICIPAL BOARD

MAY

2019

INTRODUCTION

Introduction

This action plan for waste collection and disposal was prepared with a view to ameliorating the current undesired sate of waste management.

ENVIRONMENTAL SCAN

SWOT Analysis

Table 1: SWOT Analysis

Strengths

Strong support from County Government Strong commitment by Municipal Board Political goodwill

Young members of secretariat committed to provide service

No informal settlements (slums& squatter settlements)

The urban centres are relatively small and therefore easy to manage waste generated there

Opportunities

Opportunity to generate energy from Municipal waste

Support from development partners e.g World Bank (KUSP)

Municipal waste is a resource and source of income

Opportunity for employment for the youth (private sector involvement)

Weaknesses

Lack of appropriate equipment (loading equipment, lorries etc)

Multi-nuclei form of human settlements (several urban scattered within Municipality)

Negative attitude among residents regarding municipal waste (its role of Municipal Board/County Government)

Solid waste not viewed as a resource

Lack of environmental education among residents (poor handling of waste)

Inadequate primary collection centres)

Inadequate landfill area

Lack of sufficient funds for waste management

Lack of by-laws on waste disposal by residents

Lean secretariat (Municipal Board relatively new)

Local people against establishment of

Threats

Financial support from development partners not guaranteed

County Governments depend on funds National Government. The funds are not only inadequate but characterized by delays. this leads to poor service delivery at county level. sanitary landfills in their areas
Lack of technical capacity for waste recycling
Poor accessibility especially in residential areas due to very narrow paths
Municipal Board relatively new and therefore not well established with functional departments

Methods of Municipal Waste Management in order of desirability

The figure below shows desired methods of managing Municipal waste. Avoidance (most cost-effective) is the most desired method while unmanaged waste (existence of waste everywhere) is the least desired.

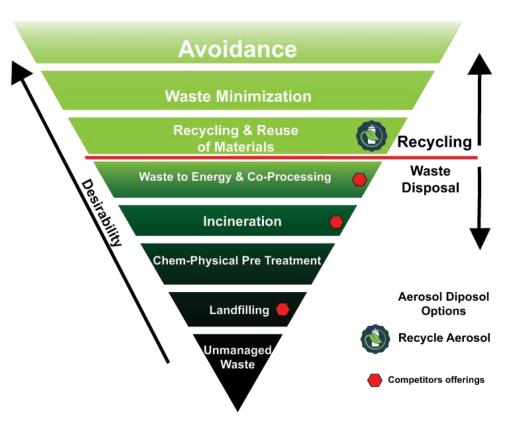


Figure 1: Methods of solid waste management in order of desirability

Proposed Plan of Action

The Vihiga municipal board has identified the following key areas in its effort to implement the waste collection and disposal plan in liaison with the County Government and other development partners.

- 1. Waste management
- 2. Storm water drainage

Table 2: Action Plan

Strategic issue	Strategic Objectives	Action plan
Solid waste management	To effectively conserve and manage environmental resources	 Installation of collection bins Identification of transfer stations and collection points Purchase of land for the construction of a disposal site Purchase of a compacting truck Purchase of skip loader truck
Liquid waste management	To effectively conserve and manage environmental resources	 Construction of sludge ponds Construction of a wetland Construction of community septic tanks Purchase of vacuum trucks and handcarts Purchase of exhauster truck

Development needs, Priorities and Strategies

Table 3: Development needs, priorities and strategies

Development needs	Priorities	Strategies	
Protection of water sources,	Protect water sources	Enforcement of existing	
forests and other natural	especially spring.	laws or enacting new ones	
resources	Promote rain water	at county level- county	
	harvesting	climate change policy	
	Re-afforestation in the	Charge small levy on water	
	affected areas	usage especially from the	
	Practice agroforestry (in-	spring.	
	farms)	County Government to	
	Resettlement of the people	come up with policy on	
	living in forests and hill tops	protecting water sources and	
		natural resources.	
Improved water supply and	Increase water coverage	Partnership with donors and	
management	Activation of community	private firms to provide	
	water users association	water	
		Enforce law on water	
		management	
Waste management	Awareness creation.	Enact legislations	
	Establish a dump sites.	Promote PPPs in waste	
	Recycling plant	management in urban	
	Establish sewer system in	centers	
	major towns		
	Establishment of garbage		
	disposable system		

Project	Description of activities	Estimate cost	Source of funds	Time frame
Installation of collection bins	Identify locations to set up garbage collection bins Purchase garbage collection bins	50 M	KUSP CGV	3 Years
Identification of transfer stations and collection points	Identify and set up collection and transfer stations	10 M	KUSP CGV	3 Years
Purchase of land for the construction of a disposal site	Purchase of land	45 M	KUSP CGV	3 Years
Purchase of a compacting truck	Purchase of truck	10 M	KUSP CGV	3 Years
Purchase of exhauster truck	Purchase of truck	10 M	KUSP CGV	3 Years
Construction of sludge ponds	Construction	25 M	KUSP CGV	3 Years
Construction of a wetland	Identify land Purchase of land Construction of wetland	30 M	KUSP CGV	3 Years
Construction of community septic tanks	Construction	20 M	KUSP CGV	3 Years

Purchase of vacuum	Purchase of	5 M	KUSP	3 Years
trucks and handcarts	handcarts		CGV	
Purchase of exhauster		10 M	KUSP	3 Years
truck	truck		CGV	

Propo sed Projec ts

Table

4: Proposed Projects

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