

MWANSABOMBWE TOWN COUNCIL

SOLID WASTE MANAGEMENT OPERATING PLAN 2022-2025

1.0 ACKNOWLEDGEMENT

Mwansabombwe Town Council wishes to acknowledge with gratitude, the valuable contribution of several individuals and Departments that supported the development of district Waste Management Plan frame work. Special thanks and appreciation to member from Works and Health departments for their tireless efforts and invaluable contributions which made it possible to put together innovative strategies in this document.

2.0. EXECUTIVE SUMMARY.

Mwansabombwe Town Council was declared as a District in 2012. It has a population of 45,294 according to CSO of 2010. However, the projected population by 2023 is expected to be 70,721 people. The district has 12 wards namely Mwansabombwe, Kabalenge, Kazembe, Mbereshi, Kayo, Chipita, Pembe, Mulele, Lufubu, Salanga, Mununshi and Kakose.

The council is mandated to collect and dispose off waste in the district. Temporal dump site has been established and all the wastes from 12 wards are dumped at temporal dump site.

The District has a refuse bays at Mukamba and Kazembe market. However, additional refuse bays have been planned at Salanga, Mbereshi, Lufubu and Mununshi market. The district collects about 30 tonnage of municipal waste per month from the markets. The council undertake general cleaning of public premises and institutions once every month. During the cleaning, marketers, members of staff, Area Councillors, Ward Development Committees and General Public to participate in the cleaning exercise.

At village level, every month Traditional Leadership conduct spot checks in their respective villages to check on the status of toilets and general cleanliness of surroundings

3.0. INTRODUCTION

Mwansabombwe District is located in the valley of the Luapula river, on the Northern part of Luapula Province. It shares boundaries with Nchelenge District in the North, Mwense in the South, the Democratic Republic of Congo in the West and Kawambwa in the east. The Muchinga escarpment runs North-South and forms a sharp boundary between Kawambwa and Mwansabombwe. The Ntumbacushi mountain on Muchinga Escarpment is a prominent feature.

The District has twelve (12) Wards and 155 villages, 31 schools, 6 market places and over 11,000 household.

DISTRICT ZONING:

The District Infrastructure such as markets and refuse bays are as follows:-

WARD	NO. OF MARKET BUILDING	NO. OF REFUSE BAYS
Mbereshi	1	0
Kayo	1	1
Chipita	0	0
Kakose	0	0
Mwansabombwe	0	0
Kazembe	2	1
Lufubu	1	0
Pembe	0	0
Mulele	1	0
Mununshi	1	0
Total	7	2

THE DISTRICT POPULATION BREAKDOWN IS AS FOLLOWS:

WARD	TOTAL POPULATION 2010 (CSO)	2023 PROJECTED POP PER WARD - (
Mbereshi	6,357	9,790
Kayo	8,406	12,945
Chipita	752	1,128
Kakose	918	1,413
Mwansabombwe	5,495	8,462
Kazembe	4,388	6,757
Lufubu	3,304	5,088
Pembe	3,965	6,606
Mulele	6,889	10,609
Mununshi	4,820	7,923
Total=	45,294	70,721

4.0 SOLID WASTE MANAGEMENT

Waste Management is the responsibility of the Local Authority vest with the Public Health Unit in ensuring that the Communities live health and free from possible hazardous exposure.

The Council collect on average 30ton Municipal waste monthly and about 500kg medical waste per month.

WORK SCHEDULE:

A). **CLEANING AND COLLECTION OF WASTE BINS FROM DESIGNATED SITES**

- Waste bins are collected daily Sweeping of market surrounding everyday
- General Cleaning in all the markets has been introduced once every Monthend. Communities Ward Development Committee, Council staff and business houses to participate in the cleaning.

B). **GARBAGE COLLECTION:**

Garbage collection is done weekly

WORK FORCE

The Cleaners are responsible for sweeping, collecting waste from the refuse bay to the temporal dump site. The workers are always in protective clothing during operations and a packet of Milk is given during garbage collection in order to neutralized harmful fumes inhaled while loading and offloading of waste.

REFUSE RECEPTACLES

The Local Authority provide recommended refuse bins in designated places such as markets and bus station.

Table below shows plastic refuse bin allocation.

S/N.	LOCATION	NO. OF BINS	WARD
1.	Chinyanta market	3	Kazembe
2.	Business houses	15	Kazembe
3.	Business houses	5	Mwansabombwe
4.	Business houses	1	Mbereshi
5.	Mukamba Market	1	Kayo
6.	Lufubu Market	1	Lufubu
7.	Salanga market	1	Mulele
8.	Mununshi market	1	Mununshi
9.	Business houses	2	Mununshi

10.	Civic Centre	1	Lufubu
		31	

Self tipping bins location

S/N.	LOCATION	NO. OF BINS	WARD
10.	Chinyanta market	7	Kazembe
11.	Streets	9	Kazembe
12.	Mukamba Market	1	Kayo
13.	Lufubu Market	1	Lufubu
14.	Salanga market	2	Mulele
15.	Mununshi market	2	Mununshi
16.	Civic centre	1	Lufubu
17.	Mbereshi	2	Mbereshi
18.	Mumbolo	1	Mulele
Total		26	

Summary total of refuse bins 57

THE DUMP SITE

The temporal dump site is located in Chipita ward although in customary land.

PARTNERSHIP:

The Local Authority is ready to enter into partnership with any Company in the collection and disposal of waste upon agreeing on a fee and other modalities. However, currently there is no company which has come up for the task.

COMMUNITY RESPONSIBILITIES

Communities are encouraged to get involved in waste management and participate fully in cleaning and other activities which the Local Authority usually comes up with.

ENFORCEMENT OF LAWS.

The Local Authority enforce Laws with the help of Zambia Police.

5.0 GOALS:

- To have a well-established and sustainable waste management system in the district
- To ensure hazardous and medical health are incinerated in a proper way in all the health facilities.
- Have a well-established dump site which is protected by fencing.

- To ensure proper disposal of waste being generated in homes by encouraging every home to dig and use refuse pits.

REVENUE COLLECTION GOALS

The Local Authority shall provide refuse bins from business houses and institution at a monthly fee.

All filled up waste bins in recognized location shall be collected by Council workers using a vehicle at an appropriate time during the day.

6.0 SOLID WASTE MANAGEMENT ZONING

The district is sub divided into two zones namely:- Zone A and Zone B.

ZONE A

Zone consists of the following wards; Kazembe, Mwansabombwe, Chipita, Kayo, Mbereshi, Kabalenge and Kakose.

ZONE B

Zone B consist of the following wards:-Lufubu, Mulele, Mununshi and Pembe.

COLLECTION METHODS:

Emptying of refuse bins is done on a daily basis into the refuse bay and later on garbage on refuse bay to the dump site is done twice a week using a tractor.

7.0 REFUSE/RECYCLE PLANS

The District may partner with any individual/Company wishing to recycle waste in any form. Nevertheless, the District do not recycle waste either segregate.

8.0 PUBLIC PRIVATE PARTNERSHIPS IN SOLID WASTE MANAGEMENT.

In an event that a private set up an industry, the Council will demand that whatever waste is generated would be collected by the Local authority, however, a levy would be instituted per every tonne collected. Furthermore, in the case of the Company wishing to start collecting garbage, the Council would partner so that a fee would be paid to the Council.

18.0 BEHAVIOURAL CHANGE

The Council working with Communities, business owners, Traditional Leadership shall always come up with activities aimed at behavioral change on solid Waste Management as well as enforcement of public laws.

10.0 LEGISTRATIVE FRAMEWORK

The Council will endeavor to implement the already existing legislative laws in a multisectoral approach.

The penalties stipulated by Statutory Instrument No. 10 Street Vending shall be applied on those found wanting.

11.0 DUMP SITE

The dumpsite has a life span up to 2025. Further, the Council with support from Traditional Leadership would seek for a piece of land for the establishment of Land fill.

The dumpsite is 15km from the Civic Centre and the area is estimated at 200 x 150 square meter. And the water bodies are approximately 12km away and 5km from dwelling houses.

12.0 CEMENTRY

The District is in the process of establishing a cemetery at the Township. Meanwhile the Traditional cemetery are being used located in each ward

13.0 FAECALSLUDGE PONDS

The District has Land reserved for ponds at the Township but it is yet to be developed.

Financial operating plan

Leased bin collection fee projection	Year		
	2022	2023	2024
	1,260	4000	7000

WORK PLAN

S/NO	ACTIVITY	OBJECTIVE	TIME FRAME		
			2022	2023	2024
1.	Procuring of refuse receptacle	Provide safe and secured refuse receptacles	20	10	10
2.	Revise collection charge of leased refuse bin	To have a sustainable garbage collection and			

		disposal.			
3.	Employ street cleaner	Improve in keeping the surrounding clean in public premises			
4.	Replenishing of protective clothing and cleaning tools for the cleaners	Provide protection to those handling waste			
5.	Review of waste Management plan	Improve in the Management of Waste			
6.	Construction of refuse bay at Mununshi, Salanga, Lufubu and Mbereshi.	Minimize accumulation of waste in un designated area.			
7.	Hold consultative meetings with stakeholders	Create a sense of ownership			
8.	Rehabilitation of refuse bay and maintenance	Ensure the refuse bay are in good state of repair			
9.	Formulate a bye law to compel all shop owners to be paying waste management fee	Improve on timely collection of garbage			

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Council Secretary