



Greater Letaba Municipality

National Waste Summit
White River, Mpumalanga Province
Integrated Waste Management Plan
Date: 09–11 March 2015

Presenter: Ms. Lerato Shoroma



Greater Letaba Municipality

Presentation Outline

- ▶ **Background**
- ▶ **Defining geographical Area**
- ▶ **Demographics**
- ▶ **Status Quo of waste disposal facilities**
- ▶ **Status Quo of waste facilities**
- ▶ **Status Quo of waste recyclers**
- ▶ **Status Quo of waste collection services**
- ▶ **Desired end state/ Plan of action**
- ▶ **Advantages of developing IWMP in house**



Greater Letaba Municipality

Background

- ▶ Greater Letaba Municipality (GLM) is progressively developing and implementing an Integrated Waste Management Plan (IWMP) capable of delivering general (non-hazardous waste) waste management services to all households and businesses, (Citizens). This will be in accordance with the provisions of section 11 of the National Environmental Management: Waste Management Act (Act No. 59 of 2008).
 - ▶ The IWMP must
 - Provide universal service
 - Be cost effective
 - Reduce the negative impact of waste on human health and the environment
 - Maximise job creation
 - Create opportunities to promote Broad-Based Black Economic Empowerment
- National policy requires local municipalities to promote a paradigm shift from “end of pipe waste practices to Integrated Waste Management based on the principles of the waste hierarchy. This approach is recognised as an international best practice.



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WASTE HIERACY		
Focus	Activity	Order of application
Cleaner Production	Prevention	
	Minimisation	
Recycling	Re - Use	
	Recovery	
	Composting	
Treatment	Physical	
	Chemical	
	Destruction	
Disposal	Landfill	



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Defining the geographical Area

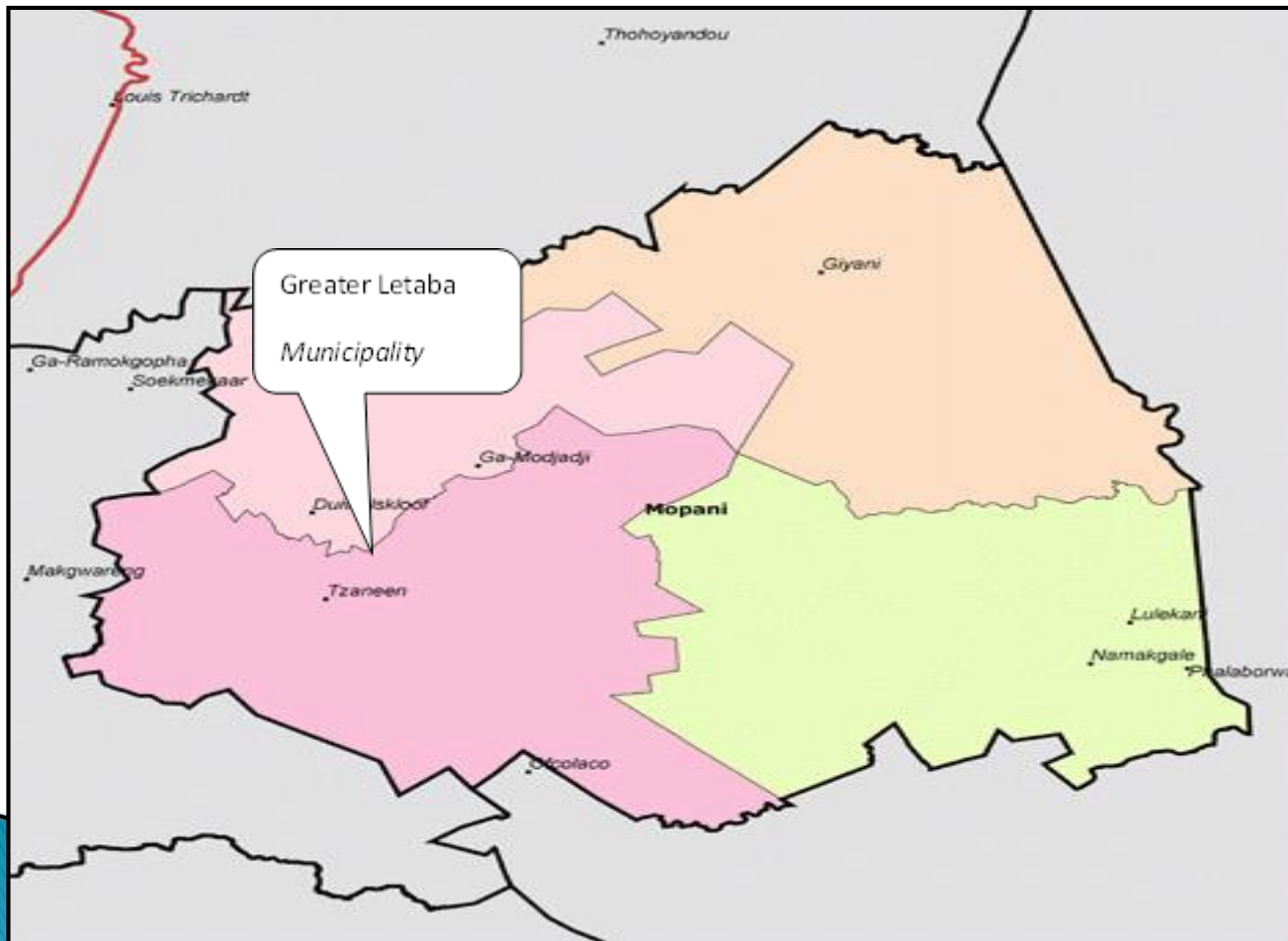
The Greater Letaba Municipality (GLM) is situated in the north-eastern quadrant of the Limpopo Province within the Mopani District Municipality Area. Greater Letaba is bordered by Greater Tzaneen to the south, Greater Giyani to the east, Molemole to the west, and Makhado to the north as shown in the map below.



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Defining the geographical Area

Figure 1: Map showing Greater Letaba Municipality





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DEMOGRAPHICS

DEMOGRAPHICS (POPULATION AND DEVELOPMENT PROFILES)

High income, low density settlement

Population growth	
Base population	222 701
Current growth estimates per annum	30 581
Future population estimates	224 800
Population distribution	
Age:	
Youth	79 799
Middle age	46 050
Old age	12 514
Gender:	
Male	25194
Female	33067
Education:	
Primary	89
Secondary	59
Tertiary	0
Employment:	
Employed	9719
Unemployed	6383



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DEMOGRAPHICS

DETERMINING CURRENT WASTE GENERATION AND ESTIMATING FUTURE WASTE GENERATION RATES AND QUANTITIES

Population growth	
Base population	59 537
Current growth estimates per annum	20 000
Future population estimates	70 000
Current waste generation and estimated future waste generation	
Current domestic waste generation rates per capita	4080
Future domestic waste generation rates per capita (in 10 years)	6000



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STATUS QUO OF WASTE DISPOSAL FACILITIES

- The municipality is having one unlicensed dumping site (Modjadjiskloof landfill site) which is no longer in use and the decommissioning licence for the said landfill has been issued and the site will be rehabilitated.
- GLM has acquired a waste management licence for the establishment of a new landfill site at Maphalle.
- The new landfill site is located next to the Buyback centre.
- Currently all waste collected within the municipality is disposed of at Greater Tzaneen Municipal landfill site at a cost.
- The Municipality is collecting 3000 tons of waste to Tzaneen landfill site per annum.
- The municipality has budgeted R1 050 000 for fencing and clearance of vegetation of the new landfill site for 2013/2014 financial year which is already completed.
- The municipality has also budgeted R550 000 for the redesign of the landfill site in accordance with the new waste regulations.
- The tender has already been advertised.
- The three transfer stations are completed at Ga Kgapane and Senwamokgope and are in operational process according to norms and standards.
- The transfer station at Modjadjiskloof is outstanding due to rehabilitation process to take place.



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STATUS QUO OF WASTE FACILITIES



Maphalle Buyback Centre



Ga Kgapane Transfer Station

- **Status Quo of Waste Treatment Facilities**
 - ▶ Currently Greater Letaba Municipality does not have a landfill site.
 - ▶ The municipality is currently disposing at Tzaneen landfill site at cost, which means the municipality does not experience a waste treatment.



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STATUS QUO OF WASTE RECYCLERS

- Recycling in Greater Letaba Municipality is a private driven activity, whereby eight (8) recycling projects namely Jamela, Shawela, Maphalle, Rotterdam, Sekgopo, Lenokwe, Koope and Ga Phooko are practising recycling.
- Lenokwe recycling project is making use of bottles to manufacture bowls, plates, saucers.
- Database of recycling projects are in place.
- The municipality has also signed the service level agreement with M.K BOX Recycling Company for recycling boxes, glass, papers, cans, bottles at Modjadjiskloof, Ga Kgapane CBD, Mooketsi, and Modjadji area.
- The Company is submitting monthly statistics showing the quantity of recyclables which they are collecting.
- Maphalle Buy back Centre (BBC), where recyclables will be sold for cash is almost complete.
- GLM (Legal Section) is also in a process of drafting the memorandum of Understanding for Protonka recycling Company that will collect recyclables at some areas within the municipality to encourage recycling as waste prevention and minimizing strategy.



Lenokwe Recycling project
(Plates, saucers and bowls)



MK Box Recycling Company





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STATUS QUO OF WASTE RECYCLERS



Hazardous waste

- GLM has a signed Service Level Agreement with Oilkol company for collecting and recycling old oil from municipal vehicles and safe disposal certificates are issued.
- GLM has also signed Memorandum of Understanding with Sempapa Trading company for collecting and recycling of empty Cartridges from printers, fax machines and safe disposal certificates are issued.





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STATUS QUO OF WASTE RECYCLERS

General waste

- The Modjadjiskloof metals recycling facility is recycling scrap metals only.



- The municipality with Redisa is on the process of planning to recycle waste tyres from the municipal workshop and Super Quick tyre dealers.
- Memorandum of Understanding will be drawn between Redisa and GLM.
- Recycling and waste minimizing strategy has been developed in house as waste prevention and minimizing strategy.



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STATUS QUO OF WASTE COLLECTION SERVICES

Status of waste collection services

Item	Total number
Total No of Households	59537
Serviced households	4080
Unserviced households	55457
Indigent households	30000
Unserviced indigent households	1000



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Desired end state/Plan of action

SETTING STRATEGIC GOALS, TARGETS AND INDICATORS

Strategic Objective s/ goals	Program s	Indicator	Baseline 2011/2012	Annual Target 2012/2013	2ND YEAR 2013/2014	2014/15	2015/16	Budget estimate for extension of services	Evidence Required
Access to Sustainable Basic Services	Refuse Removal	No of weekly refuse removal done, 4080 households receiving collection	4000	300	300	1000	1000	R90 000	Waste collection Service report
	Street Cleaning	No of monitoring on street cleaning	8	No of street to be cleaned	8	8	8	R30 000	Report on Street Cleaning
		% identified areas cleaned	100%	100%	100%	100%	100%		Report



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Desired end state/Plan of action

SETTING STRATEGIC GOALS, TARGETS AND INDICATORS

		No of inspection conducted per week on public toilets	4	16	4	4	4		Report
		% of environmental meetings attended as invited	100%	100%	100%	100%	100%		Attendance register
		Waste awareness workshop conducted	Waste awareness workshop conducted	Waste awareness workshop conducted	n/a	n/a	Waste awareness workshop conducted	R100 000	Workshop report
		Acceleration of Public awareness	Acceleration of Public awareness	Acceleration of Public awareness	n/a	n/a	Acceleration of Public awareness		Awareness report



GREATER LETABA MUNICIPALITY

Desired end state/Plan of action

SETTING STRATEGIC GOALS, TARGETS AND INDICATORS

		Arbor week conducted	Abor week conducted	Abor week conducted	n/a	n/a	n/a		Report
		Wetland day conducted	n/a	n/a	n/a	Wetland day conducted	n/a		Report
		Environmental day conducted	Environme ntal day conducted	Environme ntal day conducted	n/a	n/a	n/a		Report



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Desired end state/Plan of action

SETTING STRATEGIC GOALS, TARGETS AND TIMEFRAME BUDGET

Goal 1: Promote recycling and recovery of waste

Objectives	Targets	Activities	
Waste minimization	Reduce refuse collection	Recycle papers, cans, boxes, plastics	continuous recycling

Goal 2: Ensure the effective and efficient delivery of waste services

Objectives	Targets	Activities	Timeframe
Waste delivery/ transportation	Waste collection e.g. purchasing of REL Compactor truck(Extension of waste collection services)	Collecting refuse at Business, CBD,s , Households and some rural areas	2015/2016

Goal 3: Ensure that legislative tools are developed to deliver on the Waste Act and other applicable legislation

Objectives	Targets	Activities	Timeframe
To ensure compliance on waste service	To ensure that citizens live in a clean and more acceptable environment.	Waste collection and transportation, Waste disposal, recycling.	continuous



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Desired end state/Plan of action

SETTING STRATEGIC GOALS, TARGETS AND TIMEFRAME BUDGET

Goal 4: Sound budgeting and financing of waste management services

Objectives	Targets	Activities	Timeframe
Improve quality of life	Provide basic refuse removal services to the citizens	Waste collection and transportation.	continuous

Goal 5: Ensure the safe and proper disposal of waste

Objectives	Targets	Activities	Timeframe
Avoid illegal disposal	Development of a Landfill site	Disposing of solid waste (Construction of a landfill site)	2013/2017

Goal 6: Education and awareness

Objectives	Targets	Activities	Timeframe
Promoting education/ awareness campaign to the community	Educating the community(Fifty percent of the residence to be educated on waste minimization and proper management of waste)	Conduct Awareness and Clean up Campaigns to the communities	continuous



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ADVANTAGES OF DEVELOPING IWMP INHOUSE

- ❖ Savings on consultant fees.
- ❖ Easily understandable and implementable.
- ❖ Can always review it.



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Thank you

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