

# WASTE KHORO 2019: Asbestos and Land Remediation Summit

## 18-20 September 2019

"Good Green Deeds towards a Recycling Economy and Sustainable Land Remediation"



**Integrated Approach to Service Delivery in Local Government: DEA Funded Project**  
**Presentation by: Tshepo Mthombeni**

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## Background

### Elias Motsoaledi Local Municipality:

- Commissioned in the year 2000 as category B
- Predominately rural
- Population : 249 363
- Five Nodal Points: Groblersdal, Hlogotlou, Roossenekal, Outspanning & Motetema
- Climate: hot summer and cold winter



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# Waste Services

## Consists of :

- Street cleansing
- Waste Collection – urban and rural
- Waste disposal – illegal dumping clearance and landfilling
- Waste awareness and education



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## Landfill Sites

**The Institution consists of three (3) waste disposal facilities:**

- Groblersdal Landfill Site – receive the largest volume (GMB<sup>+</sup>)
- Roossenekal Landfill Site
- Hlogotlou Waste Transfer Station

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## Project Sites

- Groblersdal Landfill Site
  - Major municipal disposal area
  - Disposes 90% of all municipal generated waste.
- Hlogotlou Transfer Station
  - 55km east of Groblersdal landfill site
  - Services rural and peri-urban areas. Collection done twice in the area
  - Sorting area for recycling – no shelter for waste pickers
- Conditions were unacceptable hence the application for funding to augment municipal limited resources



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## Rectification of waste site conditions

Project approved and allocated R20M from DEA Green fund

### PROJECT DELIVERABLES

#### Groblersdal

- Site Office
- Paved Access Road
- Two High Mast Lights
- Recycling area
- Landfill 10 000M<sup>2</sup> Park
- 40 Indigenous trees
- Waste collection

#### Hlogotlou

- Site office & SPC
- Palisade fence
- Site lights
- Paved access road
- Kerbing
- Tree plantation
- Waste collection



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## Waste site conditions in pictures before project implementation



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### Landfill Entrance Conditions



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### Internal Entrance Conditions



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### Illegal Internal Living Conditions



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### Disposal practices: poorly managed Waste



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## Vandalised fences and entrances



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## Green Belt Market Stalls: Next to the site



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## Dwelling on the outside of the landfill



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## Project implementation



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## Political Support



**123 Participants**  
**18 Months**

## Initiation stage – Mayor address



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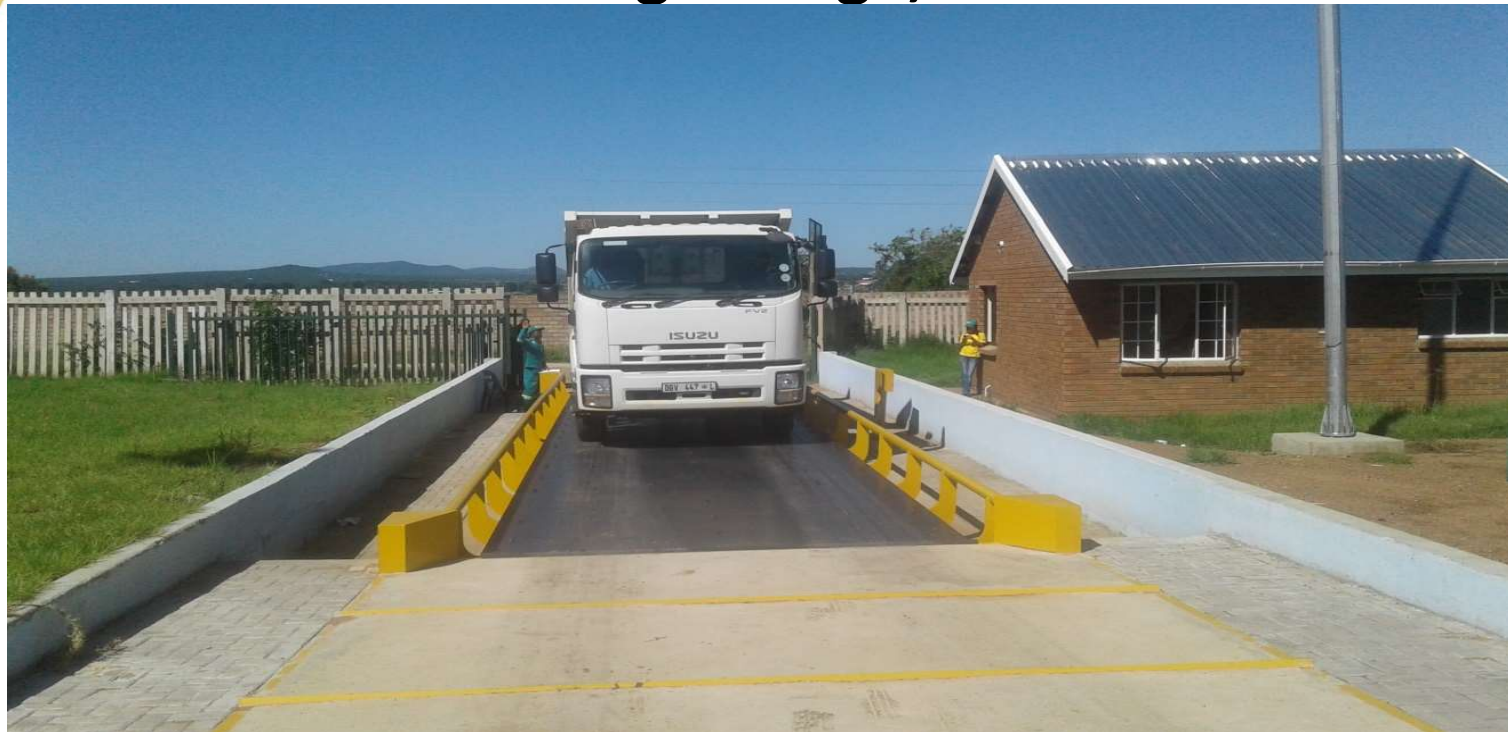
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## Entrance: Weighbridge, Office block



## Data capturers - Youth in Waste Participants



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## Paved Access road, 1000m<sup>2</sup> park & etc



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### Hlogotlou Waste Transfer Station



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### Hlogotlou Cont:



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## New Municipal Project:

# Landfill Cell Development Implementation



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## Construction of Groblersdal Landfill Cell



The Municipality has allocated 17m for Development of cell and leachate pond

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## Future Plans: Landfill Site: DCLS



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## Future Plans: Leachate Dam: DCLS



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## Future Plans

Municipality need funding to finalise the following:

- Construction of leachate ponds
- Onsite MRF
  - Minimization of waste landfilled
- Waste-to-energy initiatives supported
- Hlogotlou Sorting area (shelter)



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## Recommendations:

- That current funding model be sustained and that the department make funds available to public and private bodies immediately once the project has been approved.



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# Thank you



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