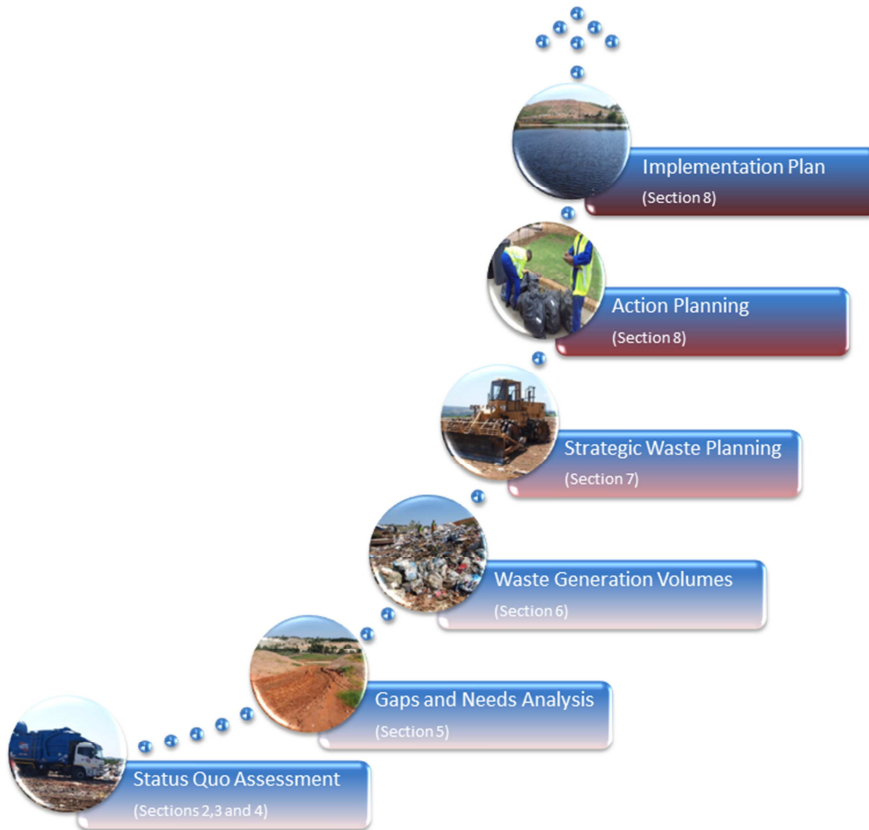


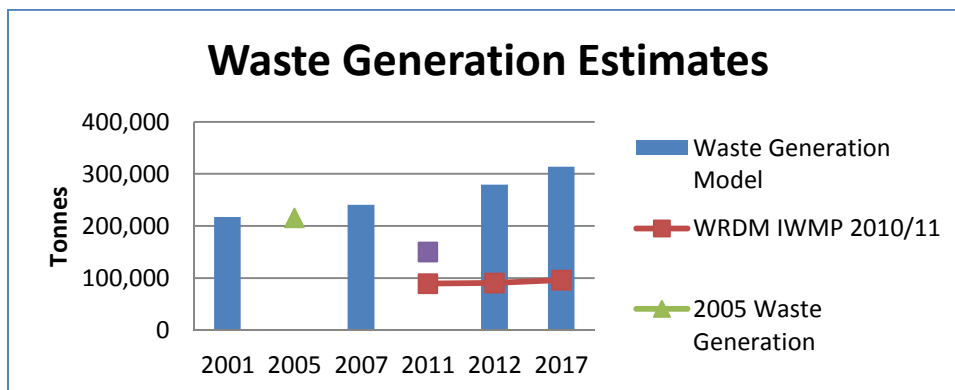
Executive Summary

The dynamics of waste management in South Africa has seen significant changes with the introduction of the National Environmental Management: Waste Act. One of the requirements of the act is to develop a municipal Integrated Waste Management Plan. This plan is now completed in draft form and comments are awaited from the various waste management stakeholder in the municipality. This executive summary has been prepared to give stakeholders an overview of the contents of the document, to allow comments to be made more easily

The structure of the document is shown in the figure below.



The Integrated Waste Management Plan estimated the total waste currently being generated in the municipality as being approximately 279 000 tons in 2012. This will rise to 313 000 tons in 2017.



Executive Summary

The plan estimated the sizes of the various types of waste found in the waste stream in the municipality.

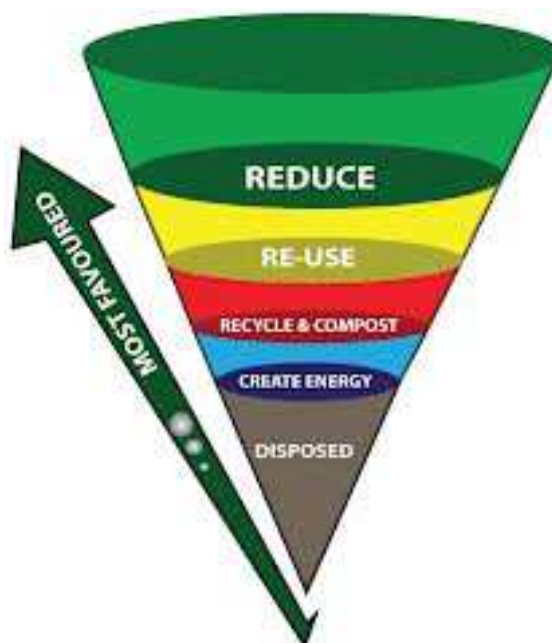
Composition	Household Survey
Residual	32%
Garden	25%
Paper	13%
Nappies	10%
Plastic	8%
Glass	8%
Metal	2%
Aluminium Cans	2%

Residual waste, the fraction that cannot be separated into any of the other categories, is thirty two percent of the total waste stream. Garden waste followed at twenty five percent. Garden waste is compostable and can be removed from the waste stream. The remaining forty three percent is theoretically recyclable and should be recovered from the waste stream.

The plan contains strategic and action plans which aim to reduce the amount of waste that needs to be disposed of at a landfill. This means reducing waste at every step of the waste lifecycle by first reducing the amount of waste that is generated, then re-using items, the recycling and composting, then using the waste to create energy and finally disposing of the waste.

The plan provides plans to improve the following areas of the waste management system in Mogale City

1. Collection and Transportation;
2. Waste Prevention, Minimisation and Recycling;
3. Waste Treatment;
4. Waste Disposal, including Regionalisation;
5. Waste Information;
6. Institutional Arrangements;
7. Financial Arrangements; and
8. Monitoring and Compliance



Executive Summary

Key points that arose from the plan were as follows:

- Close the Magaliesburg Landfill and create a transfer station that allows efficient disposal to the Luipaardsvlei site;
- Improve the efficiency of the collection fleet by active route, vehicle and personnel management;
- Use waste management entrepreneurs to extend services to currently poorly serviced areas;
- The municipality should establish a database of third party waste management contractors to ensure that waste management standards are implemented;
- The municipality should update and make available the waste management by-laws;
- Establish at least one garden centre in the municipality. Include the capacity to drop off recyclable wastes;
- Recycling and garden waste composting efforts should be improved such that the total tonnage of such waste collected reaches its full potential of between approximately 61 000 tonnes in 2017;
- Waste information such as waste characterisation, recycling volumes, municipal waste management productivity should be collected and acted upon at a management level;
- An enforcement unit should be established to increase the negative consequences of such behaviours as illegal dumping, littering, poor waste management practise;
- Change the accounting system to allow waste management cost to be included in one budget. For example the costs of the fleet and the landfills should be on the budget. In this way the financial efficiency of the waste management function can be demonstrated;
- Study the current provision of skip services to the private sector with a view to the municipality reducing its participation in this market and focussing instead on the provision of such services to under-serviced communities; and
- Establish a monitoring and compliance section to provide information on the achievement of waste management targets set by Municipal Health Services.

Comments on this plan are open until 30 June 2013. Comments should be sent to:

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