

WASTE SUMMIT

09 MARCH 2015

INGWENYAMA CONFERENCE CENTRE, WHITE RIVER
MPUMALANGA



Chemicals and Waste Management



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- Integrated Waste Management Plans (IWMP)
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- Challenges



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BACKGROUND

- CONSTITUTION OF RSA
 - Section 24 (b) of the Constitution: All South Africans have a Constitutional right to an environment that is not harmful to their health or well-being, and to have the environment protected, for the benefit of present and future generations
 - Part B of Schedule 5 of the Constitution of the Republic of South Africa allocates the responsibilities of providing waste management services to local government.
- National Development Plan 2030
- National Environmental Management Act 107 of 1998
- National Environmental Management Waste Act 59 of 2008
- National Waste Management Strategy, 2012
- Municipal Systems Act 32 of 2000



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National Waste Management Strategy

	Description	Targets (2016)
Goal 1:	Promote waste minimization, re-use, recycling and recovery of waste.	<ul style="list-style-type: none"> • 25% of recyclables diverted from landfill sites for re-use, recycling or recovery. • All metropolitan municipalities, secondary cities and large towns have initiated separation at source programmes. • Achievement of waste reduction and recycling targets set in IndWMPs for paper and packaging, pesticides, lighting (CFLs) and tyres industries.
Goal 2:	Ensure the effective and efficient delivery of waste services.	<ul style="list-style-type: none"> • 95% of urban households have access to adequate levels of waste collection services. • 80% of waste disposal sites have permits.
Goal 3:	Grow the contribution of the waste sector to the green economy.	<ul style="list-style-type: none"> • 69 000 new jobs created in the waste sector • 2 600 additional SMEs and cooperatives participated in waste services delivery and recycling.



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National Waste Management Strategy

	Description	Targets (2016)
Goal 4:	Ensure that people are aware of the impact of waste on their health, well-being and the environment.	<ul style="list-style-type: none"> • 80% of municipalities running local awareness campaigns. • 80% of school implementing waste awareness programmes.
Goal 5:	Achieve integrated waste management planning.	<ul style="list-style-type: none"> • All municipalities have integrated their IWMPs with their IDPs, and have met the targets set in IWMPs. • All waste management facilities required to report to SAWIS have waste quantification systems that report information to WIS.
Goal 6:	Ensure sound budgeting and financial management for waste services.	<ul style="list-style-type: none"> • All municipalities that provide waste services have conducted full-cost accounting for waste services and have implemented cost reflective tariffs.



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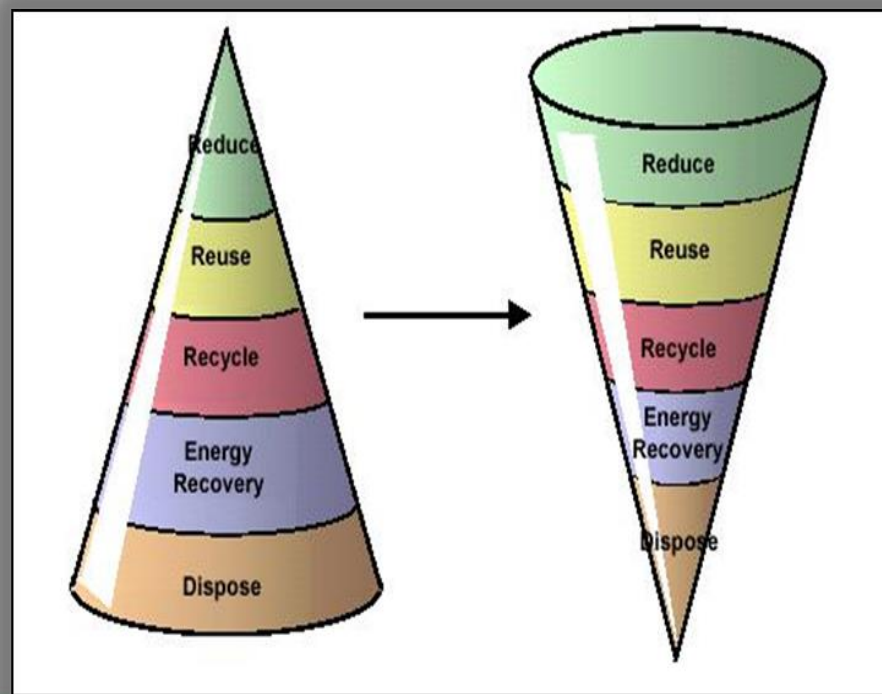
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INTEGRATED WASTE MANAGEMENT PLAN (IWMP)

- 5 year plan for managing Waste
- Assist municipalities in giving effect to Chapters 11 and 12 of the Waste Act and the National Waste Management Strategy (NWMS)
- Ensures that municipalities plan in a holistic manner
- Is based on the waste management hierarchy approach to waste management and therefore, assist municipalities in moving up the hierarchy

Waste management Hierarchy



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CONT.....

- Assist municipalities in conducting full cost accounting in order to deliver waste services sustainably
- Addresses problematic waste streams
- Highlight job creation opportunities through recycling initiatives
- Diverts waste from landfills and thereby save land resources
- Empowers communities through education and awareness initiatives
- Is custom made and therefore is a proven plan for attaining waste related targets and regulatory requirements



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IWMP STEPS

- IWMPs are now mandatory (Chapters 11&12 of the Waste Act)
- Municipalities are required to plan appropriately in order to address challenges
- Process hailed as key in assisting municipalities in meeting their waste management mandate



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IWMP WEBPORTAL

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IWMP
Integrated Waste Management Plan

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Integrated Waste Management Planning is a basic requirement of all waste management activities in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) (NEMWA) for government. The Waste Act requires that the development of an IWMP must follow a public participation and consultation process.

These guidelines have been written to follow the waste handling process in accordance with the waste management hierarchy. This implies that waste management officials should include all aspects of the waste management hierarchy in their planning efforts. These guidelines provide a background for the compilation of Integrated Waste Management Plan (IWMP). It includes a short historical overview of IWMP's to date and a basic description of the legal framework pertaining to IWMP.

IWMP Planning Process

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graph TD
    A[Situation analysis] --> B[Desired end state]
    B --> C[Identify & evaluate alternatives]
    C --> D[Select preferred alternatives]
    D --> E[Implementation plan]
    E --> F[Monitoring & review]
    F --> A
  
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Introduction to IWMP

- Legislative requirements
- The role of Waste Management Officers in the IWMP
- The Integrated Waste Management Planning

IWMP toolkit

1. Situation analysis
2. Desired end state
3. Identify, evaluate and select alternatives
4. Communication and stakeholder participation

FAQs

- Most popular FAQ's

National Acts

- Waste Act, 2008 (Act No. 59 of 2008)
- Municipal Systems Act, 2000 (Act No. 32 of 2000)



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FINANCIAL SUPPORT

- DORA – National treasury
- Municipal Infrastructure Grant - DCOGTA
- Environmental Programme and Infrastructure Projects – DEA
- Green fund
- International donors(Consultancy) – KFW, GIZ, JICA, OXFAM, UNIDO



TRAINING AND TOOLS DEVELOPED BY DEA TO ASSIST MUNICIPALITIES

- Targeted training for Municipal officials and/or Councillors on waste management
- DEA developed IWMP portal and guideline for Municipalities to develop their own IWMP
- DEA developed model waste by-law to assist Municipalities to develop their own Waste by-laws
- DEA developed a waste tariff model for Municipalities to do a full cost accounting of their waste services
- Licensed unlicensed landfill site
- Guideline for on site disposal of waste under development



WASTE MANAGEMENT CHALLENGES IN SOUTH AFRICA

Waste being burnt instead of being recycled



Waste reclaimers at landfills



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CHALLENGES OF WASTE MANAGEMENT

Illegal dumping



Limited land resources to establish new landfills



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