



KWAZULU-NATAL LANDFILL INTEREST GROUP

LANDFILL 2005

6th Biennial LIG Seminar
21 & 21 October 2005

Seminar: "Landfilling in Challenging Environments"



IWMSA

In Association With
**The Geosynthetics
Interest Group of South Africa**



Launch of the Department of Water Affairs & Forestry's Third Edition of the Minimum Requirements for Waste Management

The Third Edition of the Minimum Requirements for Waste Management series will be launched at a workshop to be held at the LIG Landfill 2005 Seminar in Durban in October 2005.

Some 23 experts have been involved in the development of the Third Edition. This indicates that the Minimum Requirements series is starting to truly reflect the multi-disciplinary nature of waste management in South Africa.

Main elements covered in the revision incorporate the following:

Document 1: Minimum Requirements for Handling, Classification and Disposal of Hazardous Waste

- Downstream uses of unwanted material
- Mobility testing of contaminants and dealing with the limitations regarding detection limits
- Risk based site specific total load determination
- Including mammals in the regime of receptors
- Extending hazardous waste classification tables
- Revisiting the representivity of waste samples

Document 2: Minimum Requirements for Waste Disposal by Landfill

- Integrated pollution control authorisation procedure incorporating the latest EIA requirements.
- Extended definition of disposal sites to include storage areas, transfer stations, waste treatment plants and pre- and post-incineration storage areas.
- Inclusion of minimum requirements for landfill height to make provision for aesthetic impacts.
- Minimum requirements to control salvaging and to protect the dignity and health of salvagers without unreasonably affecting landfill operation costs, in cases where salvaging cannot be prevented.
- Landfill gas, especially due to its health and environmental impacts
- Liners and cover designs, controlling its quality during placement and making provision for tensile forces within the landfill in the correct selection of designs and material
- Determining buffer zones and establishing legal control over these
- Public participation as part of Government's drive toward equity and acknowledging sustainability while protecting the environment
- Leachate treatment
- Co-disposal of sewage sludge
- Shear stability of waste slopes and liner systems, especially against the background of the increasing occurrence of landfill toe slips (stability failures)
- Incorporating the latest research on climatic water balance

Document 3: Minimum Requirements for Water Monitoring at Waste Management Facilities

- Incorporating the latest research on site specific monitoring, borehole construction and monitoring networks

The Landfill 2005 2nd Bulletin with complete seminar details will be issued soon !

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