

Climate MRV for Africa – Phase 2 Development of National GHG Inventory Solid Waste Disposal Sites (SWDS)- Unmanaged and Uncategorized



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Unmanaged SWDS

- A large fraction of methane is decomposed aerobically in the top layer
- For shallow sites (<5 m), aerobic decomposition is more than deep sites (> 5m)



Unmanaged SWDS – IPCC Definition

- SWDS that do not comply with the criteria for managed sites



Uncategorized SWDS

- For amount of waste that is uncategorized into managed, unmanaged, or semi-aerobic, an MCF of 0.6 is used

Reporting Uncertainties From SWDS

➤ **Main uncertainty sources:**

- Activity data (total municipal waste MSWT and fraction sent to disposal sites MSWF)
- Emission factors (methane generation rate constant)

➤ **Other factors**

- Degradable organic carbon, fraction of degradable organic carbon, methane correction factor, fraction of methane in landfill gas
- Possibly also methane recovery and oxidation factor

Thank you!

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