

Title: Integrating MDGs in the Formulation of Strategies for Solid Waste Management – A Life Cycle Approach

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The state of solid wastes in most of the developing countries is a major threat to both human and environmental resources. One of the reasons why there is little progress being made is a lack of clear objectives, coupled with a lack of information and of a strong analytical base in which various policies and strategies can be formulated or aligned during the decision making processes. This study, a case study for Nairobi, Kenya aimed at bridging this gap by providing a methodological approach in which Millennium Development Goals (MDGs) can be aligned with SWM strategies.

Abstract: Performance indicators were used to relate SWM to MDGs and to compile impacts data of the ten identified SWM options. The Baseline showed a low contribution towards achievement of MDGs while Option 10 (17% recycling, 63% composting and 20% landfilling) showed the highest contribution. Option 5 (15% recycling, 15% composting and 70% landfilling) provided the most feasible approach for meeting the MDGs, given the present social-economic, legal, political and administrative conditions of the study area.