

Manuscript ID : 00001-80461

Texila International Journal of Public Health

Volume 10, Issue 2, June 2022, Pages 1-13, Page Count - 13



Source ID : 00000428

Challenges and Opportunities Associated with Solid Waste Management in Chililabombwe District, Zambia

Gift Sakanyi ^{(1)*} Emmanuel Hakwia Kooma ⁽²⁾

⁽¹⁾ Doctoral student in Public Health, Public Health Department, Texila American University, Lusaka, Zambia.

⁽²⁾ Ministry of Health, Public Health Specialist, National Malaria Elimination Program Coordinator, Texila American University, Lusaka, Zambia.

Abstract

The management of municipal solid waste (MSW) is a serious challenge facing major environmental challenges associated with waste generation and inadequate waste collection, transport, treatment, and disposal. The paper wishes to highlight on the current waste management practices by the district, also highlighting on challenges and opportunities in order to remedy the current problems and how best to address future opportunities for a better sustainable solid waste management in the district. The district has no capacity to overcome the amplification of the increased generated waste with the increased population, and this has impacted on the environment and public health. The current district aims to move away from the reliance of the open dumpsite that does not offer any environmental protection to a solid waste system that is of more useful that will retain useful resources within the economic zone through recycling. Waste sorting and segregation at the source that provides separation of the recyclable materials is actually key to waste management. Most of the extracted materials from the disposal residuals require proper landfill management with waste sorting facilities. Obviously, challenges and barriers are significant so are the opportunities in the district. Shortage of qualified manpower, lack of technologies, and proper solid waste equipment to deliver improved waste management systems remain the authority concern. Landfill plays a significant role in energy generation if well managed, thus poses a greater opportunity for local empowerment and job creation for the youths that need further study.

Author Keywords

Challenges, Chililabombwe, Opportunities, Solid waste management, Zambia

Acknowledgement

This article could not have been completed without the professional guidance of Dr. Emmanuel Hakwia Kooma, Jesna Merlyn from Texila American University.

ISSN Print:

Source Type: Journals

Publication Language: English

Abbreviated Journal Title:

Publisher Name: Texila International Journal

Major Subject: Health Sciences

Subject area: Public Health, Environmental and Occupational Health

ISSN Online: 2520-3134

Document Type: Journal Article

DOI: <https://doi.org/10.21522/TIJPH.2013.10.02.Art030>

Access Type: Open Access

Resource Licence: CC BY-NC

Subject Area classification: Medicine

Source: SCOPEDATABASE

Reference