Construction of BCMM Central Waste Transfer Station

Expected project CAPEX : 20'000'000 €

Mandating Authority : Buffalo City Metropolitan Municipality (BCMM)

Project Type : Waste transfer station

Summary

Waste collected in the Coastal and Midlands Regions is currently disposed of in EL Regional disposal site. However, the distance between the service points and disposal site is very long. This project therefore proposes a transfer station between the service points and disposal site. The project may also include construction of a storage facility, installation of compactors, and an access road with perimeter fencing.

Location and population

Buffalo City Metropolitan Municipality, South Africa

800'000 inh.

Social and environmental impact

Effective waste management practices can improve the well-being of citizens.

Main stakeholders

Department of Environmental Affairs; Department of Economic Development Environmental Affairs and Tourism; Solid Waste Management Services Department; Integrated Environmental Management & Sustainable Development.
STAGE 1: Concept Development, Site Identification

**Expected capacity** (Input-Output)
120,000 t

**Land identified**
Tbd

**Site access:**
- ✔adequate road
- ✔rail access
- ✔port facilities

**Technology:** N/A

**Waste stream data**
Yes

STAGE 2: Pre-Feasibility Studies

**Pre-feasibility study:** Tbd

STAGE 3: Feasibility Studies

**Feasibility study:** Tbd

STAGE 4: Permitting / Financing / Contracts

**Land concession signed**
Tbd

**Building permits signed**
Tbd

**Environmental impact study**
Tbd

**Identified sources of fundings**
Tbd

STAGE 5: Engineering/Construction/Commercial Operation

**Engineering, Procurement and Construction Contractor**
Tbd

**Operation and Maintenance Contractor**
Tbd

**Comments**
The primary reason for proposing a transfer station is to reduce the cost of transporting waste to disposal facilities. Consolidating smaller loads from collection vehicles into larger transfer vehicles reduces hauling costs by enabling waste collection workers to spend less time travelling to and from distant disposal sites and more time collecting waste.