

An aerial photograph of Windhoek, Namibia, showing a wide, multi-lane road lined with trees and modern buildings. In the background, there are rolling hills under a clear sky. The image is framed by a thin black border.

SOLID WASTE MANAGEMENT

*City of
Windhoek*

December 2019

Solid Waste Management (SWM)

- SWM division falls under Department of Infrastructure, Water and Waste Management
- SWM division was established in 1998
- The initial focus then was mainly on the cleaning of Open Spaces, Street Sweeping and Household Refuse Removal.
- Since the establishment of the division the functions has increased to include the following:
 - Landfill sites and Technical Support
 - Licensing , Education, Research & Special Projects
 - Operation
 - Finance & Administration
- It is the largest division in the organization

Solid Waste Management Division

Vision

To be a world class solid waste management service provider to our people and become the Cleanest City in the World by 2030

Mission

To render effective and efficient solid waste management services to all our customer to the very best of our ability

Core Purpose

To manage all solid waste generated in the City of Windhoek

SWM Components

- Operations
 - Opens Space and Street Cleansing
 - Household and Business Refuse Removal
 - Fleet management

- Landfill Sites & Technical Support
 - Planning and development of disposal facilities
 - Management of disposal facilities
 - Technical support to other sections

SWM Components (Cont...)

- Education and Marketing
 - Educational Institutions
 - Community
 - IEC Material Development
- Finance & Administration
 - Billing and Income management
 - Budget control & Procurement
 - Asset management & Administration

SWM Components (Cont...)

- Licensing & Special Projects
 - Research of new and existing systems
 - Licensing and Registration of Industry
 - Waste Information System (WIS)
 - Integrated Waste Management planning

Resources

■ Human Resources

- 219 permanent positions (85% filled)
- Fix term employees 690 employees

■ Infrastructure

- Fleet size of 92 vehicles with an estimated replacement value of N\$ 89,7 Million (\pm US 14.65 mil)
- 1 x Office facilities (Northern industrial area)

Disposal Facilities

- Landfill: 1
- Satellite Sites: 7
- Transfer station: 2
- HCRW Treatment Facility: 1

Resources

■ Distributed Containers

➤ 240-litre Wheelie-Bins	52,000
➤ Skip Containers	376
➤ Pole Refuse and Street Bins	822

Monthly Waste Statistics

■ General Waste	7500 tons
■ Hazardous Waste	650 tons
■ Building rubble	12 500 m ³
■ Garden refuse	7500 m ³
■ HCRW (medical)	700 tons
■ E-Waste	

Waste Containers



Household refuse removal

- Removal once per week according to waste removal calendar
- Removal Mo-Fri including public holidays
- Approximately 50 000 containers per week



Recycling at household level



Statistics of Clear bag system
(Sept 2010 to date)

Recyclable items:
paper, glass, plastic, cans

Ave. bags per month -16520
Ave. tons per month -65 tons

Benefits:

- Job creation (70 jobs MRF)
- Reduction of waste to landfill
- Implementation of Waste Management Hierarchy

Operational systems

■ Household Refuse Removal

- Removal once per week
- Formal system- 240 L Wheelie bins
- Informal System- Black bags issued and collected twice weekly
- Removal by the City (Except flats, complexes, town houses)

■ Business Refuse Removal

- Waste contained in 240 L Wheelie bins
- Removal as per request and Client needs
- Removal by the City / Private Waste transporters

Ward Contractor system



Communal recycling stations



Material Recovery Facility (MRF)



Kupferberg landfill site



Landfill site Operations



Other disposal facilities





SWM Coverage

- Formal sector is covered 100%
- Collection rate is 100%
- Informal sector coverage is poor and collection rate is 30%
- Recycling in the city is around 5%



MOVING towards a
GREEN
CITY
City of Windhoek

WASTE

AVOID,

REDUCE,

RE-USE,

RECYCLE,

DISPOSE

KEEP IT
CLEAN



Thank you
for
your
attention