

# **Waste Management Plan**

Project name: Hamilton Estate

Location: Hamilton Estate, Kuils River, Cape Town, 7580

Prepared for: Shining Oak Investments 7 PTY Ltd

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## **Overview**

This waste management plan is prepared in respect of the residential development project at Hamilton Estate, Kuils River, Cape Town, 7580. The project involves the construction of single storey, free standing, affordable homes in Kuils River. An Environmental Authorisation ("EA") was granted for the project on 9 October 2008. The EA contains conditions which relate to waste management and the purpose of this plan is to demonstrate compliance with the conditions of the EA in addition to implementation of best practice principles in waste management.

## **A: Waste Categorisation**

Waste from the construction activities at Hamilton Estate has been categorised into three types: Hazardous, General and Rubble. Waste items produced from the construction activities are identified and subsequently categorised into one of these three types. Typical waste items that have been identified at the site have been categorised below:

1. **Hazardous:** cement, cement bags, paint and other chemical products.
2. **General:** wrapping from suppliers, paper, cardboard, cans, glass, food.
3. **Rubble:** concrete, bricks.

The waste items identified above are not an exhaustive list. A change in the nature or location of works may result in a change in the type of waste produced and therefore the site manager must continuously monitor waste production in order to determine if the existing waste management plan is fit for purpose or requires amendment.

## **B: Waste Storage**

### **General waste:**

A total of seven 240L waste bins are located on the construction site for the collection and temporary storage of general and hazardous waste. Waste bins are marked with "H", "G" or "R" to designate the type of waste that may be disposed of in the bin:

- "H": Hazardous waste
- "G": General waste
- "R": Rubble

The Site Manager should be notified if more waste bins are required or if bins are broken or stolen. If required, the site manager will make an application to the City for replacement or additional waste bins (See Appendix B for contact details).

**Rubble and hazardous waste:**

Skips, containers, waste bins or builder refuse bags may be used for the storage of builder's rubble. Netting is used to cover sand dunes stored on site.

**C: Waste Collection****General waste:**

General and hazardous waste is collected and disposed of by the City of Cape Town's Solid Waste Management department on a weekly basis (currently every Wednesday morning). Full waste bins are placed on Isabel Road adjacent to the sidewalk for collection by City of Cape Town Solid Waste Management Department (see Appendix D for location). The Site Manager will contact City of Cape Town if a collection is missed or if more frequent collections are required (Contact details are at Appendix B).

**Rubble and hazardous waste:**

Hazardous waste and builder's rubble are transferred to Bellville South Landfill for disposal. Contact details for Bellville South Landfill are at Appendix B. The contractor is responsible for the collection and disposal of hazardous waste and builder's rubble to Landfill. The site manager may advise the contractor to collect and transfer excessive rubble accumulating on site.

**Site Camp:**

A designated site camp area has been established where workers can rest, have lunch breaks and use portable toilet facilities. One of the purposes of a designated site camp is to contain refuse generated by workers in an enclosed area where it can be collected and disposed. Seating is provided for workers during lunch hour and breaks, but the seats are put away outside of these times to avoid theft. Workers can also sit inside the containers if they require shade. The chemical toilet is cleaned on a regular basis (See Appendix C).

**D: Waste Disposal**

The following are conditions of the EA related to waste disposal:

- All building material and rubble is removed upon completion of construction activities.
- Any solid waste must be disposed of at a licensed landfill.

**General waste:**

General waste is disposed of by City of Cape Town's Solid Waste Management Department. Some hazardous waste is disposed of by City at their discretion.

**Hazardous waste and builder's rubble:**

Builder's rubble and hazardous waste is disposed of at the Bellville South landfill site. The City of Cape Town has three operational landfill sites, which exist for the disposal of waste that cannot be reused or recycled. The Bellville South landfill site has been identified as the closest landfill site to Hamilton Estate. It is located in Sacks Circle and facilitates the disposal of the following general waste:

- Builder's rubble
- Motor oil
- Garage waste
- Clean garden waste
- Paper and cardboard
- Tetra pak
- Cans and metal
- Glass bottles
- Plastic
- Polystyrene

Vouchers are required for disposal in excess of 1.5 tonnes, which can be purchased from the Landfill office.

Proof of disposal must be provided by the contractor when disposing at Landfill.

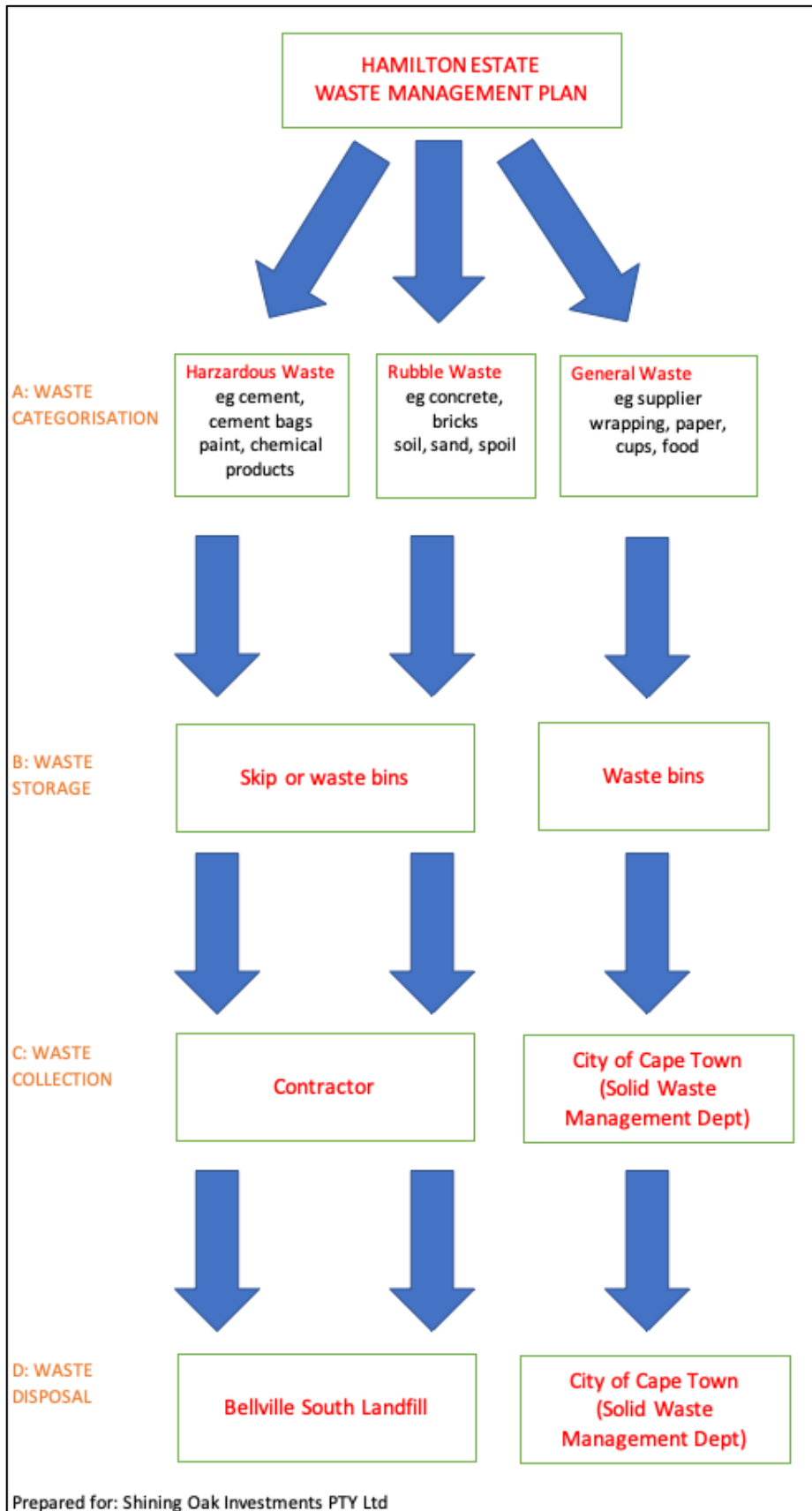
**Recycling of spoil:**

The majority of rubble generated by the project is ground spoil, which can be recycled for infilling works rather than disposed at Landfill. Wherever possible, the contractor will aim to recycle spoil rather than disposing at landfill.

**E: Appointment of Environmental Control Officer (“ECO”)**

An Environmental Control Officer has been appointed by Shining Oak to conduct visits on a bi-monthly or monthly basis in order to ensure ongoing compliance with waste management and other environmental compliance obligations relating to the construction.

## Appendix A: Waste Management Flow Chart



## **Appendix B: Waste Management Contact Details**

### **1. Bellville South Landfill:**

- Telephone: 0860 103 089
- Direct line: 021 444 3958
- Manager (Basil Nelson): 082 832 0609

### **2. City of Cape Town (Solid Waste Management Dept):**

- Telephone: 086 010 3089
- Email: [wastewise.user@capetown.gov.za](mailto:wastewise.user@capetown.gov.za)
- Postal address: Director, Solid Waste Department, PO Box 298, Cape Town, 8000

The link below can be used to make an application to the City of Cape Town for replacement or additional bins, apply for non-residential waste removal, change the frequency of refuse collections:

<http://www.capetown.gov.za/City-Connect/Apply/Municipal-services/Solid-waste>

### **3. Site Manager:**

- Name: Mr Faisal Abrams
- Email: [faisalabr@gmail.com](mailto:faisalabr@gmail.com)
- Telephone: 061 442 3756

### **4. Environmental Consultants:**

- Sillito Environmental Consulting
- Contact: Adrian Sillito
- Email: [adrian@environmentalconsultants.co.za](mailto:adrian@environmentalconsultants.co.za)
- Telephone: 082 726 0757

## **Appendix C: Site Camp**

An enclosed, designated site camp area has been established for workers. Seating is provided for workers during lunch hour and breaks, but the seats are put away outside of these times to avoid theft. Workers can also sit inside the containers for shade.



## **Appendix D: Refuse Collection Point on Isabel Street**

Bins are placed on Isabel street every Wednesday morning on the road next to the sidewalk (ie blue area in photo below) for collection by City's Solid Waste Department.

