



**ETHEKWINI MUNICIPALITY  
COMMUNITY AND EMERGENCY SERVICES CLUSTER  
HEALTH UNIT**

**APPLICATION FOR ISSUING OF A SCHEDULED ACTIVITIES PERMIT  
IN TERMS OF THE ETHEKWINI MUNICIPALITY: SCHEDULED ACTIVITIES BYAW,  
2020**

I **Esme Gombault** hereby make application in terms of **Section 5(1)** of the **Scheduled activities Bylaw of the eThekwini municipality 2020**, for permission to undertake a listed activity and hereby submit the following information in support thereof:

- 1. Section 1 Facility information**
- 2. Section 2 Process, plant and/or production**
  - 2.1 Process description
  - 2.2 Hours of operation
  - 2.3 Graphical process information
- 3. Section 3 Raw materials**
  - 3.1 Raw materials used
  - 3.2 Production rates
  - 3.3 By-Product Produced
- 4. Section 4 Environmental Management**
  - 4.1 Dust Management
  - 4.2 Noise Management
  - 4.3 Waste Management
- 5. Section 5 Occupational Health and Safety**
- 6. Section 6 Major Hazard Installation**
- 7. Section 7 Emergency Response and Contingency Measures**
- 8. Section 8 Effluent Discharge**
- 9. Section 9 Transportation**
- 10. Attachments**

## **SECTION 1 PERMIT HOLDER DETAILS**

### **1 FACILITY INFORMATION**

Facility Name	Shongweni Storage, Treatment, Recovery and Disposal Facility
Company Trading Name	EnviroServ Waste Management (Pty) Ltd.
Type of Facility, e.g. Company/Close Corporation/Trust, etc.	Company
Company/Close Corporation/Trust Registration Number (Registration Numbers if Joint Venture)	2008/021152/07
Physical Address / Description of Site (Where No Street Address)	21 & 81 Main Road 461, Shongweni
Coordinates of Approximate Centre of Operations	S 29° 49' 24" E 030° 44' 50"
Postal Address	P.O. Box 1547, Bedfordview, 2008
Telephone Number (General)	011 456 5400
Company Email Address	<a href="mailto:clientservices@enviroserv.co.za">clientservices@enviroserv.co.za</a>
Industry Type/Nature of Trade	Waste Disposal
Land Use Zoning as per Town Planning Scheme	Copy of the land use zoning certificate attached in <b>Section 9</b>
Land Use Rights if outside Town Planning Scheme	n/a
Name of the Land owner or Landlord	EnviroServ Waste Management (Pty) Ltd

Responsible Person Name	Mandla Thwala
Telephone Number	011 456 5718
Cell Phone Number	082 532 5452
E-mail Address	<a href="mailto:mandlat@enviroserv.co.za">mandlat@enviroserv.co.za</a>
Name of SHEQ Official if available	Shimal Hanuvanth
Telephone Number	011 456 8394
Cell Phone Number	071 492 7273
E-mail Address	<a href="mailto:Shimals@enviroserv.co.za">Shimals@enviroserv.co.za</a>
After Hours Contact Details	082 532 5452

**Location and extent of plant:** Attach a map or a block plan detailing the location of your premises in relation to the external environment.

Attached in **Section 10**

## **2 SECTION 2 PROCESS, PLANT AND/OR PRODUCTION**

### **2.1 Process description**

Please provide a detailed description of the entire production process including the purpose or function of each unit process

Storage, treatment, recovery and disposal of waste in accordance with Waste Management Licence 12/9/11/L191016090639/4/R, including collection, treatment of biogas and effluent generated by landfill operations. Copy of Licence attached in Section 6.

#### Processes Conducted

List all unit processes conducted.

Unit Process	Unit Process Function	Batch or Continuous Process	Emissions released
Landfilling	Waste disposal	Continuous	Landfill biogas, Landfill effluent
Landfill gas collection, treatment and flaring	Minimise gas emissions	Continuous	CO <sub>2</sub> , SO <sub>2</sub> and other minor products of incomplete combustion (PICs).
Landfill effluent collection and treatment	Effluent treatment	Continuous	Brine

#### Type of Waste transported (Pls tick where applicable) **only for Waste transportation application**

Health Care Risk Waste (HCRW)	Domestic	Hazardous	Commercial	Garden	Recyclables	Other (specify)
N/A						

### **2.2 Hours of operation**

Provide the hours of operation.

Unit Process	Operating Hours	Number of Days Operated per Year
Waste disposal	07h30 – 18h00	310
Landfill gas collection, treatment and flaring	24hrs	365

Landfill effluent collection and treatment	24hrs	365
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## 2.3 Graphical process information

2.3.1 Attach the following for the entire operation being undertaken at the site:

- Simplified block diagram with the name of each unit process in a block; showing links between all unit processes or blocks. [Attached in Sections 11 & 12.](#)
- Site layout diagram (plan view and to scale) indicating location of unit processes, plants, buildings, stacks, stockpiles and roads (include true north arrow and scale). [Attached in Section 13.](#)
- Attach a color coded site drainage plan detailing the layout of the premises with the drainage facilities (trade effluent, domestic sewer and storm water, onsite pretreatment facilities, demarcated safety zones and storage areas. [Attached in Section 14.](#)

## 3 SECTION 3 RAW MATERIALS

### 3.1 Raw materials used

Raw Material Type	Design Consumption Rate (Quantity)	Actual Consumption Rate (Quantity)	Units (Quantity/Period)
Calcium Oxide	All quantities vary dependant on incoming waste types and volumes		
Hydrochloric Acid			
Sodium Hydroxide			
Nitric Acid			
Hydrogen Peroxide			
Spectraguard			

### 3.2 Production rates

Production Name	Design Production Capacity (Quantity)	Actual Production Capacity (Quantity)	Units (Quantity/Period)
Airspace consumption	850,000m <sup>3</sup> in Valley 3 (total available)	Variable	11 500m <sup>3</sup> /month

### 3.3 By-Product Produced

By-Product Name	Maximum Capacity (Quantity)	Production Permitted	Design Capacity (Quantity)	Production	Actual Capacity (Quantity)	Production	Units (Quantity/Period)
Landfill gas	~no limit, dependent on landfill methane production		Flare is designed for 500 Nm <sup>3</sup> /hr		Running at ~150 Nm <sup>3</sup> /hr		Nm <sup>3</sup> /hr
ETP RO Permeate	Dependent on leachate production		50m <sup>3</sup> /day		20-30 m <sup>3</sup> /day		m <sup>3</sup> /day

## 4. SECTION 4 ENVIRONMENTAL MANAGEMENT

### 4.1 **Dust Management** (Dust Regulations and Section 22 of AQ Bylaw)

4.1.1 Identify all sources of dust and list mitigation measures (Attach copies of recent dust monitoring reports)

Landfill operations: Worker Exposure to Airbourne Particulates and fallout Dust Monitoring reports attached in **Section 15**.

### 4.2 **Noise Management** (Noise Regulations and SANS10103)

Identify all potential noise sources and for each noise source identified describe:

4.2.1 The anticipated impact on surrounding communities

Landfill operations and Effluent treatment plant: Low anticipated impact on surrounding communities due to maintenance of a health buffer zone. Buffer zone reports attached in **Section 17a**.

4.2.2 The details of the noise control measures implemented/ to be implemented

Provision of hearing protection for staff working in close proximity of heavy equipment and designated noise zones.

Attach copy of latest noise measurement report completed.

Report attached in **Section 17b**.

### 4.3 Waste Management

4.3.1 Identify all waste streams associated with the operation, Give details below:

Type of Waste	Composition / constituents of waste	Volume Generated	Storage	Disposal Method	Frequency of disposal	Waste service Provider	Final Disposal point
Office Waste	Plastic, paper, foodstuffs	Low quantities	Wheelie bins	Landfill	Daily	Self	Landfill
Oils/rags	Workshop waste	Low quantities	Skips or drums	Oils-recycled, Rags to landfill	As required	Self	Landfill
Leachate	Liquid contaminated with landfill constituents	1000m <sup>3</sup> /day	Holding tanks	Treated in on site LTP	Daily	Self	LTP
<u>Contaminated Stormwater</u>	<u>Surface runoff contaminated by contact with waste</u>	<u>Precipitation dependant</u>	<u>Lined dams</u>	<u>Via SWWTW</u>	<u>Daily</u>	<u>Self</u>	<u>SWWTW</u>
<u>Lab waste</u>	Variety of waste samples submitted for analysis	Low quantities	Drums	Landfill	Weekly	Self	Landfill

4.3.2 Describe system of record keeping for tracking each waste. Are Waste disposal certificates kept to account for all wastes removed by a service provider?

This operation is for waste disposal, therefore wastes are accepted on behalf of generators, treated and disposed in accordance with licence conditions. Waste disposal certificates are issued to generators and volumes accepted reported to local and national authorities.

4.3.3 Provide detail of any toxicity testing completed.

All incoming waste are classified in accordance with licence and current regulatory requirements : (GN R 634, 635 & 636 of 23 August 2013).

4.3.4 Details of waste management systems

Waste disposal facility accepting waste in accordance with Waste Management Licence, (**Section 6**), and other applicable legislation.

4.3.5 Provide waste minimisation activities

EnviroServ puts emphasis on minimisation at source and offers alternatives to generators prior to acceptance for disposal as a last resort

#### **4.4 Surface and Ground Water Quality monitoring (DWS requirements to be considered)**

4.4.1 Describe measures in place for the protection of surface and ground water sources

All construction designs are approved by DEFF prior to construction and operation. Routine quarterly monitoring of pre agreed ground and surface water locations are carried out by an independent consultant in accordance with the Waste Management Licence and other applicable legislation.

Attach copies water sampling reports that may have been completed

Jones and Wagner July 2025\_ Water Quality Monitoring Report B196-25-25-JW112, attached in **Section 20**.

### **5. SECTION 5 OCCUPATIONAL HEALTH & SAFETY**

5.1 Have all the potential occupational hazards/risks relating to the internal operations been identified. (Y/N) -comments

Yes : Shongweni Landfill Hazard/Aspects Register attached in **Section 21**.

5.2 Provide a list of all such stressor / hazards identified i.e physical, chemical, biological, ergonomical, other

Detailed in aforementioned report

5.3 Do you believe that any of the above risks / hazards will be at a level which may pose a health risk to the employees

No : Worker exposure monitoring as well as full medical surveillance is carried out annually.

5.4 List all methods which will be used to control Health Risks

Worker Exposure monitoring, Annual medical surveillance, Training, supply of all appropriate PPE as detailed in the protocol attached in **Section 16**.

5.5 Provide details of envisaged Health and Safety training for employees.

Training Matrix attached in **Section 22**.

5.6 Have staff undergone pre-employment medicals (if so, provide details) (Y/N)

Yes : All staff undergo entry, annual and exit medicals.

Attach latest Occupational Health list programme and compliance report. Occupational health risk assessment, occupational exposure monitoring reports and occupational health/ medical report to be reviewed. Attached in **Section 24**.

## 6. SECTION 6 MAJOR HAZARD INSTALLATION

Provide the list of operation (s) that constitute a Major Hazard Installation including mitigation measures that are in place.

N/A : site is not categorised as an MHI.

## 7. SECTION 7 EMERGENCY RESPONSE AND CONTIGENCY MEASURES

The Emergency Response plan takes cognisance of foreseen environmental emergency scenarios, the method of managing such emergencies, the responsible person / team and resources required.

Shongweni Emergency Preparedness and Response Plan attached in **Section 25**.

## 8. SECTION 8 EFFLUENT DISCHARGE

Describe the composition and volume of any effluent discharged or to be discharged to sewer. (Application for an Effluent discharge permit with EWS is require

Discharge permit valid for 12 months attached in **Section 18**.

ETP / Odour Management (If applicable)

## 9. SECTION 9 TRANSPORTATION

List details of all vehicles used in the transportation of waste:

Washing / base premises / Application for the transportation of waste

Waste is delivered to the site by waste transporters.

Haulier Permit for vehicles associated with aforementioned Effluent discharge permit attached in **Section 26**.

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I declare that the information provided above is in all respect factually true and correct.

**Signature of Applicant:** \_\_\_\_\_



**Date:** 04/03/2026

NOTE: This application must be completed in full and signed by the Applicant