

## MEC EP03 Non-Hazardous Engineered Landfill Development and Void Space Monitoring

### Change History

Revision Number	Description of Change	Date
00	First issue	05.09.2016
01	Included reference to MEC QP01 Waste Processing Procedure.	01.03.2019

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## 1 PURPOSE

The procedure documents the method by which landfill development and void space monitoring are carried out at the Ghallis Non-Hazardous Engineered Landfill within the Maghtab Environmental Complex (MEC).

## 2 SCOPE

This procedure concerns the Ghallis Non-Hazardous Engineered Landfill located within the Maghtab Environmental Complex (MEC). Zwejra Landfill does not fall within the scope of this procedure.

## 3 REFERENCE DOCUMENTS

- IP 0001/06: Ghallis Non-hazardous Engineered Waste Facility IPPC Permit
- Engineered Landfill Design & Build Plan (as submitted by Consultant)
- Surveys by Surveyor
- CQA Report
- MEC QP01 Waste Processing Procedure

## 4 RESPONSIBILITIES

The **Works Manager** is responsible for:

- Giving the order to start the excavation process of the cell.
- Monitoring the excavation process.
- Analysing surveys and consulting with the surveyor on formation level, as necessary
- Sourcing of the necessary lining (as per the IPPC permit).
- Coordinating and monitoring the landfill mineral lining process (as per Design & Build Plan) under the supervision of the CQA certification body
- Monitoring the process of landfill lining (Geosynthetic Clay liner, Geomembrane layer, Protection Geotextile layer) and Gravel (as per Design & Build Plan) under the supervision of the CQA certification body.
- Following recommendations issued by the CQA Certification Body Expert and taking action accordingly.
- Analysing surveys and consulting with Surveyor in order to monitor void space and permitted landfill layers.

The **Surveyor** is responsible for:

- Conducting monthly site surveys of the cell during development and operational stage.

The **CQA Certification Body** is responsible for:

- Monitoring the lining process for the new engineered landfill and providing feedback to the Works Manager.
- Certifying the engineered landfill prior initiation of waste tipping.

## 5 METHOD

The attached flow chart offers further guidance to the process.

## 6 RECORDS

Records considered critical for this procedure are treated as follows:

Reference Document	Person responsible for maintaining the Document	Document Storage Location	Duration of time Records are kept
Surveys by Surveys	Works Manager	MEC Office	All records are kept indefinitely
CQA Report			
Design & Building Plans			

