

OP15 – Landfill Engineering (including cell preparation, capping and other structures)

What is this?

The purpose of this document is to prepare procedures to ensure that all planning, licensing and other relevant requirements are identified and followed when preparing an area/cell/phase of landfill, capping or the installation of other engineered landfill structures.

What does the responsible manager need to do?

The responsible manager must ensure that:

- Any person involved in the design of such structures has access to all appropriate planning and permit/waste management licence conditions relating to the formation of the engineered barrier system, capping layer, landfill gas or leachate monitoring/abstraction wells
- All regulatory requirements relating to cell preparation, cell capping and other engineering works are complied with
- The identification, location, timescale and rate of cell preparation, capping or other engineering works necessary is recorded and the relevant agreement with the Environment Agency is in place prior to work starting
- Employees and contractors are provided with relevant information, instruction and training with regard to cell preparation, capping and engineering work
- Adequate provision of personnel, plant, fuel and other resources are available to enable cell lining, capping and other engineering operations
- Any aspect of cell preparation or capping that is carried out by contractors is subject to increased control in the form of continuous supervision during the works, this may be undertaken by a third party Construction Quality Assurance (CQA) consultant
- Any sampling/testing required during the engineering works is undertaken and recorded
- If required, all necessary records and test results are compiled in the CQA report upon completion of the works
- The CQA report is forwarded to and subsequently approved by the Environment Agency prior to any operations/further works commencing.

Note: Whilst the responsible manager must ensure these requirements are met, it is likely that they will be undertaken by an external consultant who specialises in CQA.

What do employees need to do?

All employees must ensure that:

- Any incidents, changes or queries are brought to the attention of the responsible manager immediately.



Associated documentation

EMS Section

- Operational Control

Forms

- EF03 – Internal Communication
- EF15 – Incident Investigation

