

# Collection: Demonstrating the safety of a geological disposal facility (GDF)

*Updated:* Re-ordering of content on page

This suite of documents is designated as a 'generic' safety case: it is not site-specific as no site has yet been chosen for a geological disposal facility (GDF). It sets out how a GDF can be designed, constructed and operated safely, in compliance with regulatory guidance, in a range of geological environments. This safety case underpins a process for packaging waste ready for disposal in such a facility.

This latest update brings together:

- a revised inventory for disposal
- findings from a comprehensive, ongoing research programme
- learning from facilities around the world.

This collection of documents is structured in the following way:

- The overview provides a guide to the suite of safety case documents
- There are three main safety case reports on transport, operational and environmental safety
- There are a series of individual assessments for the different safety case reports. These are split into:
  - transport safety assessment
  - operational safety assessment
  - environmental safety assessment
  - environmental and sustainability assessments
- There is a detailed specification for the disposal system
- The design of the transport system and the disposal facility are described
- Further information is provided in the associated knowledge base including specific research status reports