

Corporate report: Generic Disposal System Safety Case for a Geological Disposal Facility: operational safety assessment

Operational Safety Assessment

- Volume 1: Non-radiological and construction
 - Volume 2: Normal operations
 - Volume 3: Accident safety assessment
 - Volume 4: Criticality safety assessment
 - Generic Operational Environmental Safety Assessment
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Corporate report: Generic Disposal System Safety Case for a Geological Disposal Facility: environmental safety assessment

This Post-Closure Safety Assessment (PCSA) presents the results of quantitative assessments of the long-term environmental safety of radioactive waste disposal in a geological disposal facility (GDF).

Corporate report: Generic Disposal System Safety Case for a Geological Disposal Facility: environmental and sustainability assessments

The Environmental and Sustainability Assessments are set out in 3 documents:

- Generic Environmental Assessment
 - Generic Socio-Economic Assessment
 - Generic Health Impact Assessment
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Corporate report: Generic Disposal System Safety Case for a Geological Disposal Facility: disposal system specification

The Disposal System Specification is described in four documents:

- Disposal System Specification Part A: High Level Requirements
 - Disposal System Specification Part B: Technical Specification
 - Derived Inventory Report
 - Derived Inventory: Scenarios Report
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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