

## **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).

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## **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
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# Research and analysis: Future of the sea: plastic pollution

This report summarises evidence on marine plastic pollution in the UK, its overseas territories and the global oceans. It explores:

- what causes plastic pollution
- how plastic pollution impacts the UK's marine life, marine industries and human health
- how plastic pollution will change in the future

It was commissioned as part of the [Foresight Future of the sea project](#).