

[Detailed guide: Packaging of radioactive waste: specifications and guidance](#)

Updated: WPS/999/01 document added

Packaging specifications

The RWM packaging specifications take the form of a structured hierarchy with each level having a specific purpose. The Generic Waste Package Specification (GWPS) defines the requirements for all waste packages destined for geological disposal, and provides the basis for the definition of the Generic Specifications, which define the standards and specifications for waste packages containing specific categories of waste. The Generic Specifications are used to specify the requirements for the waste packages that could be manufactured using standardised designs of waste container, these being referred to as the Waste Package Specifications (WPS)

[Geological Disposal – Generic Waste Package Specification](#)

(PDF, 1.9MB, 37 pages)

Please note that all the requirements from the document ‘Geological disposal – Generic Waste Package Specification’ have now been subsumed into the DSS Part B, verbatim. This document has therefore been superseded.

Generic specifications for specific categories of waste

[Generic specification for waste packages containing low heat generating waste](#)

(PDF, 391KB, 57 pages)

[WPS/240/01 Generic Specification for waste packages containing high heat generating waste](#)

(PDF, 5.15MB, 67 pages)

[WPS/230/01 Generic Specification for waste packages containing depleted, natural and low enriched uranium](#)

(PDF, 1.47MB, 63 pages)

Waste package specifications

[WPS/300/03 Specification for 500 litre drum waste package](#)

(PDF, 532KB, 17 pages)

[WPS/310/04 Specification for side lifting variant of 3 cubic metre box waste package](#)

(PDF, 449KB, 17 pages)

[WPS/315/05 Specification for corner lifting variant of 3 cubic metre box waste package](#)

(PDF, 2.1MB, 17 pages)

[WPS/320/04 Specification for 3 cubic metre drum waste package](#)

(PDF, 421KB, 17 pages)

[WPS/330/03 Specification for 4 metre box waste package](#)

(PDF, 549KB, 19 pages)

[WPS/340/01 Specification for miscellaneous beta gamma waste store box waste packages](#)

(PDF, 1.75MB, 17 pages)

[WPS/350/03 Specification for 2 metre box waste package](#)

(PDF, 519KB, 19 pages)

[WPS 360/03 Specification for 6 cubic metre concrete box waste package](#)

(PDF, 488KB, 17 pages)

[WPS/361/01 Specification for 500 litre concrete drum waste packages](#)

(PDF, 1.3MB, 17 pages)

[WPS/362/01 Specification for 1 cubic metre concrete drum waste packages](#)

(PDF, 1.32MB, 17 pages)

[WPS/380/01 Specification for 500 litre robust shielded drum waste packages to be transported in a SWTC-150](#)

(PDF, 2.31MB, 18 pages)

[WPS/381/01 Specification for 3 cubic metre robust shielded box waste packages for transport as part of a Type IP-2 package](#)

(PDF, 2.83MB, 18 pages)

Other specifications

[WPS/400/03 Geological Disposal: Waste Package Data and Information Recording](#)

[Requirements](#)

(PDF, 1.82MB, 18 pages)

[WPS/410/03 Specification for waste package identification system](#)

(PDF, 1.62MB, 12 pages)

[WPS/420/01 Management System Requirements for Waste Packaging](#)

(PDF, 1.55MB, 15 pages)

[WPS/430/01 Specification for waste containers for the packaging of low heat generating waste](#)

(PDF, 1.67MB, 19 pages)

Wasteform specifications and guidance

[WPS/501/01 Wasteform specification for waste packages containing low heat generating waste](#)

(PDF, 321KB, 17 pages)

[WPS/503/01 Guidance on the production of non-encapsulated wasteforms](#)

(PDF, 1.55MB, 63 pages)

[WPS/502/01 Geological Disposal: Guidance on the production of encapsulated wasteforms](#)

(PDF, 3.15MB, 77 pages)

Ancillary information and guidance

[WPS/600/02 Lifting grab for 500 litre drum waste package description and design guidelines](#)

(PDF, 191KB, 16 pages)

[WPS/601/02 Lifting frame for side lifting variant of 3 cubic metre box and 3 cubic metre drum waste package description and design guidelines](#)

(PDF, 471KB, 18 pages)

[WPS/602/02 Lifting frame for 4 metre box waste package description and design guidelines](#)

(PDF, 366KB, 18 pages)

[WPS/603/02 Lifting frame for 2 metre box waste package description and design guidelines](#)

(PDF, 348KB, 14 pages)

[WPS/604/02 Lifting frame for stillage and corner lifting variant of 3 cubic metre box waste package description and design guidelines](#)

(PDF, 465KB, 18 pages)

[WPS/605/01 Specification for stillage for the transport and disposal of 500 litre drum waste packages](#)

(PDF, 688KB, 17 pages)

[WPS/620/03 Guidance on the structure and format of waste product specifications](#)

(PDF, 1.7MB, 21 pages)

[WPS/625/02 Guidance on the preparation of criticality compliance assurance documentation for waste package proposals](#)

(PDF, 127KB, 24 pages)

[WPS630/02 Guidance on environmental conditions during storage of waste packages](#)

(PDF, 133KB, 22 pages)

[WPS/640/02 Guidance on monitoring of waste packages during storage](#)

(PDF, 230KB, 30 pages)

[WPS/650/03 An overview of the RWM Disposability Assessment Process](#)

(PDF, 2.71MB, 50 pages)

Waste package specifications guidance material

[WPS/701/01 Guidance on the application of the waste package specifications for unshielded waste packages](#)

(PDF, 10MB, 84 pages)

[WPS/702/01 Guidance on the application of the waste package specifications for shielded waste packages](#)

(PDF, 7.83MB, 76 pages)

[WPS/705/01 Guidance on the application of the specification for stillages for use in the transport and disposal of 500 litre drum waste packages](#)

(PDF, 2.27MB, 27 pages)

Miscellaneous guidance

[WPS/850/03 Geological Disposal: Waste Package Data and Information Recording Requirements: Explanatory Material and Guidance](#)

(PDF, 1.05MB, 46 pages)

[WPS/860/03 Waste Package Identification System – Explanatory Material and Guidance](#)

(PDF, 1.68MB, 20 pages)

[WPS/870/03 Long-term Management of Information and Records – Explanatory Material and Guidance](#)

(PDF, 1.6MB, 31 pages)

Thematic guidance

[WPS901/02 Geological Disposal: Guidance on the use of organic polymers for the packaging of low heat generating wastes](#)

(PDF, 14.1MB, 58 pages)

[WPS/902/02 Geological Disposal: Guidance on the packaging of radon generating wastes](#)

(PDF, 4.02MB, 44 pages)

[WPS/903 Guidance on the immobilisation of radionuclides in wasteforms](#)

(PDF, 361KB, 39 pages)

[WPS/904 Guidance on the characteristics and demonstration of robust formulation envelopes for cementitious wasteforms](#)

(PDF, 391KB, 29 pages)

[WPS/905 Guidance Note on the packaging of filters](#)

(PDF, 976KB, 41 pages)

[WPS/906 Guidance on the packaging of closed sources](#)

(PDF, 916KB, 48 pages)

[WPS/907 Guidance on the packaging of Tritium Bearing Wastes](#)

(PDF, 494KB, 47 pages)

[WPS/908/05 Guidance on the preparation of submissions for the disposability assessment of packaging proposals](#)

(PDF, 845KB, 43 pages)

[WPS/909 Guidance on the scope of periodic review of final stage Letter of Compliance](#)

(PDF, 218KB, 18 pages)

[WPS/911/02 Guidance on the application of the criticality safety requirements of the 2012 IAEA Transport Regulations](#)

(PDF, 5.81MB, 39 pages)

[WPS/912 Guidance on the sentencing of non-compliant waste packages](#)

(PDF, 265KB, 26 pages)

[WPS/914 Guidance on the issues arising from the packaging of non-encapsulated wastes](#)

(PDF, 324KB, 32 pages)

[WPS/915 Guidance on the use of grout caps in waste packages](#)

(PDF, 957KB, 36 pages)

[WPS/916 Guidance on the control of fissile material in waste packages](#)

(PDF, 5.58MB, 71 pages)

[WPS/921 Guidance on the preparation of submissions for the disposability assessment of waste packages](#)

(PDF, 285KB, 31 pages)

[WPS/923 Guidance on the application of safeguards during the packaging of higher activity waste](#)

(PDF, 2.8MB, 45 pages)

[WPS/926/01 Guidance on the use of polycarboxylate ether superplasticisers for the packaging of low heat generating wastes](#)

(PDF, 1.76MB, 25 pages)

[WPS/928/01 Geological Disposal: Guidance on the disposability of waste packages containing chemical decontamination agents](#)

(PDF, 2.02MB, 45 pages)

[WPS/929/02 Thematic Guidance on the management of Larger PCM Waste Items](#)

(PDF, 3.89MB, 79 pages)

Options guidance

[Upstream Options – Overview and uses of the 6 cubic metre concrete box](#)
(PDF, 1.06MB, 53 pages)

[Upstream optioneering: centralised intermediate level radioactive waste finishing facility \(NDA/RWM/117\)](#)
(PDF, 6.84MB, 60 pages)

[WPS/999/01 Supplementary Specification for Requirements Based on the 2016 Generic Disposal System Safety Case \(gDSSC\)](#)
(PDF, 1.95MB, 20 pages)