



Bibliography (2007 to 2021)

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Documents Published by RWM 2000 to 2006

List and links to a range of scientific and technical information relating to geological disposal in published reports, conference and journal papers that are available in the National Web Archive. The publications that are linked to in this document have been archived and, in some cases, might have been superseded. Current publications are available via GOV.UK. Please contact Nuclear Waste Services (contact details are available on GOV.UK) if you would like to check the status of any publication in the archive.

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May 2008	Generic Non-radiological Sustainability Appraisal of the High Level Waste and Spent Fuel Concept - Characterisation Report
May 2008	Summary of Assessment for Low Activity IONSIV Cartridge Waste
May 2008	Summary of Assessment for Retrieval and Packaging of Miscellaneous Beta_Gamma Wastes from B243, Sellafield
May 2008	NDA-RWMD Geosphere Characterisation Project. Data Acquisition Report- Groundwater sampling and analysis techniques
May 2008	NGO Attitudes to NDA Stakeholder Engagement Processes
May 2008	Non-human Biota Dose Assessment for a Generic Deep Geological Repository
May 2008	Summary of Assessment Report for GeoMelt Vitrification of ILW (Preliminary stage)
May 2008	Summary of Assessment for GeoMelt Vitrification of ILW
June 2008	Definition of a Bounding Scenario for Impact of Unshielded Waste Packages onto an Aggressive Target

Date Published	Title
June 2008	Definition of a Bounding Scenario for Impact of Shielded Waste Packages onto an Aggressive Target
June 2008	NDA RWMD Response to the NWAT - Review of the Context of the Nirex Generic (post-closure) Performance Assessment
June 2008	Workshop on the Independent Peer Review of Understanding of Criticality under Repository Conditions
July 2008	Summary of Additions and Amendments to Data in the HATCHES Chemical Thermodynamic Database 2002 to 2007
July 2008	Stack Slumping Studies carried out using FETCH
July 2008	Executive Summary Letter of Compliance Assessment Report - Packaging of MAETP Post-Filters - July 2008
July 2008	Executive Summary Letter of Compliance Assessment Report - Packaging of MAETP IONSIV Cartridges - July 2008
July 2008	Executive Summary Letter of Compliance Assessment Report - Harwell Sea Disposal Packages - July 2008
July 2008	Executive Summary Letter of Compliance Assessment Report - Magnox Swarf Silos - July 2008
July 2008	Development of a Bayesian Belief Network to assess variant Climate Change Scenarios
July 2008	Summary of Assessment for Harwell Sea Disposal Packages
July 2008	Preliminary Generic Non-radiological Sustainability Appraisal of the High Level Waste and Spent Fuel Concept - Summary Report
July 2008	NDA RWMD Biosphere Assessment Studies FY2007-2008- Geosphere - Biosphere Interface Zone Issues, Catchment-scale Modelling and Distributed Biosphere Modelling
July 2008	Summary of Assessment for MAETP IONSIV Cartridge
August 2008	NDA Consultation on a Framework for Sustainability Appraisal and Environmental Assessment for Geological Disposal - Appendix D3 - Wales August 2008
August 2008	NDA Consultation on a Framework for Sustainability Appraisal and Environmental Assessment for Geological Disposal - Appendix D2 - Scotland August 2008
August 2008	NDA Consultation on a Framework for Sustainability Appraisal and Environmental Assessment for Geological Disposal - Appendix D1 Part 2 - England August 2008
August 2008	NDA Consultation on a Framework for Sustainability Appraisal and Environmental Assessment for Geological Disposal - Appendix D1 Part 1 - England August 2008
August 2008	NDA Consultation on a Framework for Sustainability Appraisal and Environmental Assessment for Geological Disposal August 2008
August 2008	The release of radioactive particulate from transport containers
August 2008	Experimental Study of Sorption Cs. I and Pu onto Wasteform Grouts and NRVB
August 2008	Effect of 'as disposed' complexants on the solubility of Nickel (II), Thorium (IV) and Uranium (VI) CMNDA1
August 2008	Executive Summary Letter of Compliance Assessment Report - GLEEP Fuel Encapsulation and Packing - August 2008
August 2008	Geosphere Characterisation Project. Data Acquisition Report. Surface Based Geophysical Techniques
August 2008	Gas and Human intrusion pathway
August 2008	Preliminary Generic Non-radiological Sustainability Appraisal of the High Level Waste and Spent Fuel Concept - Appraisal Report RPS JR5779B 8624719 2008
August 2008	Record of an Expert Meeting to discuss the Forward Strategy for the HATCHES database
September 2008	Review of data on gas migration through polymer encapsulants

Date Published	Title
September 2008	LoC Assessment Process. Report on Customer Feedback April 2007 - March 2008
September 2008	Summary of Assessment for PFR Decommissioning ILW
October 2008	Response to CoRWM questions concerning the Letter of Compliance Process and Waste Package Specifications
October 2008	Executive Summary Letter of Compliance Assessment Report - Packaging of Solid ILW at Hunterston A Decommissioning Site - October 2008
October 2008	Executive Summary Letter of Compliance Assessment Report - Berkeley Desiccant Waste - October 2008
October 2008	Executive Summary Letter of Compliance Assessment Report - Packaging of CHILW from Harwell and Winfrith - October 2008
October 2008	Executive Summary Letter of Compliance Assessment Report - Dounreay Legacy Wastes - October 2008
October 2008	Executive Summary Letter of Compliance Assessment Report - Sellafeld 3m3 Box - October 2008
October 2008	Geosphere Characterisation Programme. Techniques for Site Characterisation- The Measurement of Geomechanical Properties of Rock and Soil
October 2008	Summary-of-Assessment-for-Trawsfynydd-Compacted-MDHSF-FED
October 2008	Strategy for the treatment of uncertainty in solubility, sorption and diffusion data for a UK HLW repository
November 2008	Encapsulated Magnox thermal properties
November 2008	Engineered Barrier Materials for Geological Disposal Facilities
December 2008	NDA RWMD Biosphere Assessment Studies FY2008-2009- Identification of Key Contaminants
February 2009	Executive Summary Letter of Compliance Assessment Report - MEP WEP and WPEP Non-Conforming Waste Packages - February 2009
February 2009	Thermal material properties for the 2 metre Box
March 2009	SKB Peer Review of the NDA RWMD Provisional Implementation Plan - PIP SKB IC-136
March 2009	Executive Summary Letter of Compliance Assessment Report - Magnox Dissolution Sludge for Dungeness and Sizewell - March 2009
March 2009	Effect of 'as disposed' complexants and polymer encapsulant leachates on the solubility of Nickel (II), Thorium (IV), Uranium (VI) and Uranium (IV)
March 2009	Geological Disposal - Safety, Environmental, Security and Safeguards Principles for the Design Process
April 2009	NDA RWMD Biosphere Assessment Studies FY2008-2009 - The Biosphere Transport, Distribution and Radiological Impact of Cs-136, Tc-99 and I-129 Released from a Geological Disposal Facility
April 2009	International research on vitrified HLW long term behaviour- State of the art
April 2009	Corrosion resistance of austenitic and duplex stainless steels in environments related to UK geological disposal
April 2009	Executive Summary Letter of Compliance Assessment Report - Vitrified High Level Waste - April 2009
April 2009	Treatment of Chemotoxic Species (2) Review of Additive and Synergistic Effects
April 2009	Treatment of Chemotoxic Species (1) Quantitative Human Health Risk Assessment
May 2009	Sectioning and examination of waste containers with NDE indications of possible stress corrosion cracking
May 2009	Sampling and analysis of surface dust from waste containers
May 2009	Resumption of monitoring programme on 4 metre Box
May 2009	Post-closure Performance Assessment- Consideration of a Co-located Geological Disposal Facility in the Safety Case

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May 2009	Inspection of stored waste containers
May 2009	Chemical reactivity of alpha-isosaccharinic acid in heterogeneous alkine systems
May 2009	An approach to characterising a site for a co-located geological disposal facility
May 2009	Corrosion test pieces for monitoring the storage of ILW packages
May 2009	Executive Summary Letter of Compliance Assessment Report - Decommissioning Wastes from Dounreay Fast Reactor - May 2009
June 2009	Proposed Holistic Methodology for Assessing Waste Package Impact Performance
June 2009	Consideration of Vitrified ILW in a Geological Disposal Facility
June 2009	Validation of the Holistic Impact Methodology for 500 litre Drum- Stage 2 Validation of the Calculation of Breakup and Release
June 2009	Validation of the Holistic Impact Methodology for 500 litre Drum- Stage 1 Validation of the Modelling of Waste Package Behaviour
June 2009	Spreadsheet model for the impact of waste packages on local pH conditioning June 2009
June 2009	Model of the Redox conditions in the near field of a cementitious geological disposal facility
June 2009	Implications of the 2009 GRA for the treatment of human intrusion
July 2009	The General Criticality Safety Assessment
July 2009	Geological Disposal - Detailed Responses to the Consultation on a Sustainability Appraisal and Environmental Assessment Framework July 2009
July 2009	Executive Summary Letter of Compliance Assessment Report - Urenco UK Limited Depleted Uranium Tails - July 2009
July 2009	Executive Summary Letter of Compliance Assessment Report - Conditioning of Plutonium Residues - July 2009
July 2009	Model Review and Comparison for C-14 Dose Assessment
July 2009	Development of increased understanding of Potential Radiological impacts of Radioactive Gases from a Deep Geological Repository - Form of Release of C-14
July 2009	Development of Increased Understanding of Potential Radiological Impacts of Radioactive Gases from a Deep Geological Repository - Sensitivity Studies with the Enhanced RIMERS Model
July 2009	Development of Increased Understanding of Potential Radiological Impacts of Radioactive Gases from a Deep Geological Repository- Review of FSA and Nirex Models and Associated Scoping Calculations
July 2009	Geological Disposal - A Strategy for Sustainability Appraisal and Environmental Assessment July 2009
August 2009	Modelling plant root system development in response to soil water status - a review
August 2009	Geological Disposal - LoC Assessment Process Report on Customer Feedback April 2008 - March 2009.pdf
August 2009	Geological Disposal - Summary and Analysis of Responses to the PSE and Comms Consultation
August 2009	Geological Disposal - Responses received to a consultation on a framework for PSE and Comms
August 2009	Geological Disposal - Summary and Analysis of Responses to the Consultation on a SA and EA Framework
August 2009	Executive Summary Letter of Compliance Assessment Report - Concrete and Metal Waste from the Windscale Pile Reactors - August 2009
August 2009	Contents Activity Limits for the Square Corner 3m ³ Waste Package Transported in a SWTC-285
August 2009	Contents Activity Limits for the Round Corner 3 m ³ Box Waste Package Transported in an SWTC-285 Transport Container

Date Published	Title
August 2009	Contents Activity Limits for the 3m3 Drum Waste Package Transported in a SWTC-285
August 2009	A preliminary investigation into upscaling radionuclide migration and uptake in vegetated soils
August 2009	A Review of Soil Bioturbation and Soil Development Aug 2009
August 2009	NDA RWMD Biosphere Assessment Studies FY2008-2009
August 2009	NDA RWMD Biosphere Assessment Studies FY2008-2009 - Context and Approach to Future Biosphere Assessment Calculations
September 2009	Role of Bentonite in Determination of Thermal Limits on Geological Disposal Facility Design
September 2009	Verification of the Karagozian and Case Material Model for LS-DYNA 971 R3 Report September 2009
September 2009	Review of research on cellulose degradation and input data for the Simplified Model of Gas Generation (SMOGG)
September 2009	Review of the behaviour of colloids in the near field of a cementitious repository
September 2009	The effect of sorption on radionuclide uptake for different soil textures
October 2009	Generic Design Assessment Summary of Disposability Assessment for Wastes and Spent Fuel arising from Operation of the Westinghouse AP1000
October 2009	Planning for Underground Investigations
October 2009	Executive Summary Letter of Compliance Assessment Report - Core Graphite and Aluminium Charge Pans from the Windscale Pile Reactors - October 2009
October 2009	Executive Summary Letter of Compliance Assessment Report - Data Recording Assessment of the Sellafield High Level Waste Plants - July 2009
October 2009	Executive Summary Letter of Compliance Assessment Report - Sizewell B Spent ILW Resins - October 2009
October 2009	The Temperature of Waste Inside the SWTC-285 During Normal Operation
October 2009	Geological Disposal - ILW vault drop heights in higher strength rock
October 2009	Geological Disposal- HLW/SF deposition tunnel drop heights in higher strength rock
November 2009	Generic Design Assessment: Summary of Disposability Assessment for Wastes and Spent Fuel arising from Operation of the UK EPR
November 2009	A review of manufacturing processes used in stainless steel intermediate level waste containers to evaluate the presence of residual stress
December 2009	A Suite of Calculations using the QSS and RTM Computer Models
December 2009	Analogue evidence from uranium ore bodies
December 2009	A Summary of Verification, Validation, Benchmarking, Uncertainty and Sensitivity of the FETCH, QSS and RTM Computer Models
December 2009	Formal structured data elicitation of technetium retention properties for hard rocks sandstones and clay-rich rocks
December 2009	Formal structured data elicitation of near-field uranium sorption distribution coefficients
December 2009	Executive Summary Letter of Compliance Assessment Report - Packaging of High Activity Waste from Dungeness Decommissioning Site - December 2009
December 2009	Cowam in Practice Brief 3-Community Benefits and Support Packages-Theme 1
December 2009	NDA RWMD Biosphere Assessment Studies FY2009-2010 - Representation of Redox Variations in the Soil Zone in the Context of Assessment Modelling
December 2009	Geological Disposal Facility (GDF) Construction and Commissioning Hazard Identification Workshop Report December 2009

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January 2010	An Investigation into Improving Numerical Stability for the Rapid Transient Solver
January 2010	Development of an Improved Structural Response Model for the Rapid Transient Solver
January 2010	Review of stability of cemented grouted ion-exchange materials, sludges and flocs January 2010
February 2010	Executive Summary Letter of Compliance Assessment Report - 3m3 waste packages at Hunterston - February 2010
February 2010	Executive Summary Letter of Compliance Assessment Report - Legacy Hydrodynamic Vessels - February 2010
February 2010	Corrosion Feedback in Backfilled Vaults
March 2010	Executive Summary Letter of Compliance Assessment Report - Sellafeld Magnox Encapsulation Plant - March 2010
March 2010	Executive Summary Letter of Compliance Assessment Report - Bulk Magnox Fuel - March 2010
March 2010	Executive Summary Letter of Compliance Assessment Report - Thorium High Temperature Reactor Graphite Waste - March 2010
March 2010	Geological Disposal Steps Towards Implementation March 2010
March 2010	Geological Disposal - site characterisation for a geological disposal facility - status report March 2010
March 2010	NDA RWMD Biosphere Assessment Studies FY2009-2010: Review of Requirements for the Biosphere Assessment Tool (QRS/1378W/1)
March 2010	Development of the RTM Equation of State for Different Potential Host Rock Materials
March 2010	Feasibility study for the use of the SWTC to transport unconditioned Intermediate Level Waste
March 2010	Transcript - How a UK geological disposal facility for radioactive waste could look March 2010
March 2010	Geological Disposal: Response to review of gas generation and migration
March 2010	Further Calculations using the QSS and RTM Computer Models
April 2010	Concentration of chloride and hydroxide ions in porewater of cement-based wasteforms
April 2010	The effect of ionizing radiation on the corrosion resistance of ILW containers
April 2010	Executive Summary Letter of Compliance Assessment Report - Generic Use of Comb Superplasticisers in Cement Grouts for Packaging of ILW - April 2010
April 2010	Executive Summary Letter of Compliance Assessment Report - Hydrus Vessels at AWE - April 2010
April 2010	Formal structured data elicitation of technetium retention properties for hard rocks/sandstones and clay-rich rocks
April 2010	Geological Disposal - R&D Advisory Panel Annual Report 2009-2010
May 2010	Executive Summary Letter of Compliance Assessment Report - WAGR Stringer Steel - May 2010
May 2010	Executive Summary Letter of Compliance Assessment Report - Magnox Wastes in Ductile Cast Iron Containers - May 2010
May 2010	Sorption of U(VI) onto Leached and Hydrothermally-aged NRVB
May 2010	Review of the Standard Waste Transport Container Size and Alternative Options
May 2010	Sorption of Np, Zr and Sn onto Leached and Hydrothermally-aged NRVB
May 2010	Post-closure Performance Assessment - Example Approaches for Gas Modelling in Generic Environments
May 2010	Information on Phase Chemistry in UK Spent AGR Fuels
June 2010	Abaqus platform in support of waste package assessments

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June 2010	3D thermal modelling of waste packages in backfilled vaults June 2010
June 2010	Inadvertent human intrusion into a GDF SHIM modelling of a geotechnical worker scenario
July 2010	Geological Disposal - Brief overview of NGO involvement in the radioactive waste management process in eleven overseas countries July 2010
July 2010	Geological Disposal - Inventory presentation to West Cumbria MRWS Partnership July 2010
July 2010	Executive Summary Letter of Compliance Assessment Report - Solid ILW at Hunterston - July 2010
July 2010	Study of the Transport of UK High Level Waste and Spent Fuel R08-099_C_IssueC
July 2010	Thermal Modelling of 3m3 Box under Fire Conditions
July 2010	Review of Environmental Conditions for Storage of ILW Radioactive Waste Containers
July 2010	Review of the corrosion performance of selected metals as canister materials for UK spent fuel and or HLW - Appendix A (copper)
July 2010	Review of the corrosion performance of selected metals as canister materials for UK spent fuel and or HLW - Appendix B (carbon steel)
July 2010	Review of the corrosion performance of selected metals as canister materials for UK spent fuel and or HLW - Appendix D (titanium)
July 2010	Review of the corrosion performance of selected metals as canister materials for UK spent fuel and or HLW - Appendix E (nickel alloys)
July 2010	Review of the corrosion performance of selected metals as canister materials for UK spent fuel and or HLW - Appendix F (stainless steel)
July 2010	Review of the corrosion performance of selected metals as canister materials for UK spent fuel and or HLW
July 2010	Review of effect of chloride on corrosion of stainless steels in cementitious environments
July 2010	Geological Disposal - Brief overview of NGO involvement in radioactive waste management process in eleven overseas countries July 2010
July 2010	Geological Disposal - A review of conservatism in the RWMD packaging specification for ILW
August 2010	An Investigation of the Sensitivity to Nuclear Data of the QSS and RTM Computer Models
August 2010	A survey of steel and zircaloy corrosion data for use in the SMOGG gas generation model
August 2010	Disposal of Graphite: A modelling exercise to determine acceptable release rates to the Biosphere (QRS/1454A/1)
August 2010	NNL_10_10734 Review of Glass Dissolution Rates Issue 3 Final for Bibliography
August 2010	Executive Summary Letter of Compliance Assessment Report - Options for disposal of Plutonium stocks in a GDF - August 2010
September 2010	A Review of Cellulose Degradation and the fate of degradation products under repository conditions
September 2010	A Survey of Reactive Metal Corrosion Data for use in the SMOGG Gas Generation Model
September 2010	Executive Summary Letter of Compliance Assessment Report - Harwell Waste Encapsulation Plant - September 2010
September 2010	Executive Summary Letter of Compliance Assessment Report - WAGR Decommissioning wastes - September 2010
September 2010	Executive Summary Letter of Compliance Assessment Report - sludge and resin waste at Hunterston A - September 2010
September 2010	The Effects of Gamma Irradiation and Thermal Ageing on the Stability of Candidate Polymer Encapsulants NR3219/007 - NP02205
September 2010	Review of Wasteform ageing up to repository restaturation (Part One)
September 2010	Further Comparisons of RTM and FETCH

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September 2010	NDA RWMD Biosphere Assessment Studies FY2009-2010 The Biosphere Transport, Distribution and Radiological Impact of Se-79 released in Groundwater from a Geological Disposal Facility
October 2010	Final Carbon Footprint Analysis
October 2010	Geological Disposal - Generic Environmental and Sustainability Report for a Geological Disposal Facility - Non Technical Summary October 2010
October 2010	Geological Disposal - Generic Environmental and Sustainability Report for a Geological Disposal Facility - Assessment Report October 2010
October 2010	Cracking, Flow and Chemistry in NRVB
October 2010	Modelling of Energetic Transients due to Slow Accumulation of Plutonium in Homogeneous Matrices
October 2010	Extract from Research and Development Advisory Panel - Peer Review for the generic Disposal System Safety Cases October 2010
October 2010	Geological Disposal - Proposals for updating the RWMD packaging specifications for higher activity radioactive wastes
November 2010	Geological Disposal - Generic specification for robust shielded waste packages November 2010
November 2010	Geological Disposal - Inventory presentation to West Cumbria Managing Radioactive Waste Safely Partnership - issue 2 November 2010
November 2010	Executive Summary Letter of Compliance Assessment Report - Hydrus hydrodynamic vessels at AWE - November 2010
November 2010	NDA RWMD interactions with waste packagers on plans for packaging radioactive wastes 2009 - 2010
November 2010	Executive Summary Letter of Compliance Assessment Report - Packaging of Skip Acid Liquor at Hunterston - November 2010
November 2010	Production of the Derived Inventory for Uranium and Plutonium
November 2010	Production of the Derived Inventory for New Build Reactor
November 2010	Atkins confirmation letter in respect of the external peer review of the generic disposal facility design and transport reports November 2010
November 2010	Waste Package Impact Release Fraction Data Report
November 2010	Summary of the Derived Inventory based on the 2007 UK
November 2010	Development of the Derived Inventory for Intermediate Level Waste (ILW) and Low Level Waste (LLW)
November 2010	Development of the Derived Inventory of HLW and Spent Fuels Based on the 2007 UK Radioactive Waste Inventory
November 2010	Consideration of Polymer-Encapsulated ILW in a Geological Disposal Facility NPO 004030
November 2010	Release Fractions from waste packages exposed to fire
December 2010	Geological Disposal - Overview of generic environmental and sustainability assessment December 2010
December 2010	Geological Disposal - a proposed approach to Strategic Environmental Assessment during MRWS Stage 4 December 2010
December 2010	PCPA - consideration of non-encapsulated ILW in the phased geological repository concept December 2010
December 2010	Application of radiation screening levels for biota in geological disposal facility assessments - issues to consider December 2010
December 2010	Routine Dose Assessment for the SILW LLW Fork-Lift Truck Driver in a Geological Disposal Facility
December 2010	Post-closure Performance Assessment - Consideration of Non-encapsulated ILW in the Phased Geological Repository Concept
December 2010	Retrievability of waste emplaced in a Geological Disposal Facility - Position Paper December 2010
December 2010	Report on the inversion of multiple geophysical data sets
December 2010	Report on the State-of-the-art in Groundwater Sampling for Colloids, Microbes and Organics

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December 2010	Geological Disposal - Generic Transport Safety Case Executive Summary December 2010
December 2010	Geological Disposal - Generic Operational Safety Case Executive Summary December 2010
December 2010	Geological Disposal - Generic Environmental Safety Case Executive Summary December 2010
December 2010	Geological Disposal - An introduction to the generic Disposal System Safety Case December 2010
December 2010	Geological Disposal - An introduction to the Disposal System Specification December 2010
December 2010	Geological Disposal - An overview of the generic Disposal System Safety Case December 2010
December 2010	Geological Disposal - Generic Transport Safety Case main report December 2010
December 2010	Geological Disposal - Generic Transport system safety assessment December 2010
December 2010	Geological Disposal - Generic Operational Safety Case main report December 2010
December 2010	Geological Disposal - Safety case production and management December 2010
December 2010	Geological Disposal - Generic Operational Safety Assessment - volume 1 December 2010
December 2010	Geological Disposal - Generic Operational Safety Assessment - volume 2 December 2010
December 2010	Geological Disposal - Generic Operational Environmental Safety Assessment December 2010
December 2010	Geological Disposal - Generic Environmental Safety Case main report December 2010
December 2010	Geological Disposal - Generic Post-closure Safety Assessment December 2010
December 2010	Geological Disposal - Package evolution status report December 2010
December 2010	Geological Disposal - Waste package accident performance status report December 2010
December 2010	Geological Disposal - Near-field evolution status report December 2010
December 2010	Geological Disposal - Radionuclide behaviour status report December 2010
December 2010	Geological Disposal - Geosphere status report December 2010
December 2010	Geological Disposal - Biosphere status report December 2010
December 2010	Geological Disposal - Gas status report December 2010
December 2010	Geological Disposal - Criticality safety status report December 2010
December 2010	Geological Disposal - Generic Disposal System Functional Specification December 2010
December 2010	Geological Disposal - Generic Disposal System Technical Specification December 2010
December 2010	Geological Disposal - An introduction to the Derived Inventory December 2010
December 2010	Geological Disposal - Radioactive wastes and assessment of the disposability of waste packages December 2010
December 2010	Geological Disposal - Summary of generic designs December 2010
December 2010	Geological Disposal - Generic disposal facility designs December 2010
December 2010	Geological Disposal - Generic Transport system designs December 2010
December 2010	Review of approaches for dealing with spatial heterogeneity
January 2011	Executive Summary Letter of Compliance Assessment Report - Packaging of Pyrochemical Waste by AWE - January 2011

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January 2011	Executive Summary Letter of Compliance Assessment Report - Highly Active Technical Wastes from Wastes Vitrification Plant Sellafield - January 2011
January 2011	Options study on the size of road transport packages
January 2011	Peer Review of NDA RWMD's Generic Disposal System Safety Case Analysis of Peer Review Comment Resolution
January 2011	Review of colloids in the geosphere and their treatment in performance assessment W.R. Alexander, J.A. Berry, M.J. Kelly and S.W. Swanton SERCO / TAS / 002924 / 01 Issue 03 13859432 2011
January 2011	Summary report on the peer review of NDA RWMD Generic Disposal System Safety Case January 2011
January 2011	Impacts on Non-Human Biota from Operational Radioactive Releases from a Generic Geological Disposal Facility: INPUT TO THE OPERATIONAL ENVIRONMENTAL SAFETY ASSESSMENT
January 2011	Site characterisation project: review of the requirements for sealing investigation boreholes
February 2011	Literature review of partitioning and transmutation
February 2011	Geological Disposal NDA Review of BGS Draft Geological Sub-surface Screening Report for the West Cumbria MRWS Partnership Nuclear Decommissioning Authority 13000634 2011
February 2011	Glass durability in high pH environments: A review of the literature C. Utton, R.J. Hand, N.C. Hyatt and S.W. Swanton SERCO / TAS / 003133 / 001 13859562 2011
February 2011	Geological Disposal - Research and Development Programme Overview February 2011
February 2011	Executive Summary Letter of Compliance Assessment Report - Packaging of Dragon Fuel at Sellafield Wastes Encapsulation Plant - February 2011
February 2011	Executive Summary Letter of Compliance Assessment Report - Encapsulation of GLEEP Fuel at Harwell - February 2011
February 2011	Bentonite - A Review of key properties, processes and issues for consideration in the UK context
February 2011	Quintessa Report Biosphere assessment studies QRS-1378ZM-2v1_Screening
February 2011	Biosphere Assessment Studies FY2009-10: Catchment Modelling in Support of Post-closure Performance Assessment (QRS/1378W/2)
February 2011	Transcript - Introduction to our role in geological disposal of radioactive waste February 2011
February 2011	Transcript - Meeting the challenge of geological disposal of radioactive waste February 2011
February 2011	Frequently Asked Questions Related to Disposal System Safety Case (DSSC) February 2011
February 2011	Geological Disposal - Inventory Data used in the 2007 assessment of the consequences of repository-derived gas
February 2011	Design fabricate and demonstrate a rig to measure radioactive releases from stimulants of nuclear waste materials Final report
February 2011	Geological Disposal - RWMD Technical Strategy February 2011
March 2011	Geological Disposal - Proposed Strategy for the Geoscientific Aspects of Site Characterisation
March 2011	Geological Disposal: Sustainable design objectives for a geological disposal facility Nuclear Decommissioning Authority 13835210 2011
March 2011	GD site characterisation for a GDF status report
March 2011	Interactions with waste packagers on plans for packaging radioactive wastes 2010-2011
March 2011	Effect of ADVA Cast 551 on the solubility of plutonium (IV) and uranium (VI) report to NDA RWMD March 2011

Date Published	Title
March 2011	NDA RWMD Colloid Strategy Review
March 2011	Executive Summary Letter of Compliance Assessment Report - Revised Packaging Process for Sellafield Silos Direct Encapsulation Plant - March 2011
March 2011	Executive Summary Letter of Compliance Assessment Report - Packaging of PFR Mixer Breeder Sections at Dounreay - March 2011
March 2011	Record of SMOGG workshop on microbial gas generation from cellulose at high pH
March 2011	NDA RWMD Biosphere Assessment Studies FY2010-2011
March 2011	Geological Disposal - Strategic Environmental Assessment generic scoping report March 2011
March 2011	Serco Report TCS_00473_005 Issue 2 Final
March 2011	Disposability Assessment process. Report on customer feedback. January to December 2010 14564889 14564889 2011
March 2011	Coupled flow, radionuclide transport and root growth in soil column with dynamic water table. AM Ireson, AP Butler, SA Mathias Imperial / NRP_022 14399930 2011
April 2011	Geological Disposal: Response to Nuclear Waste Advisory Associates' Issues Register
April 2011	NDA RWMD Technical Note - GD - Response to Nuclear Waste Advisory Associates Issues Register
April 2011	Impact performance of the 2 metre box and 4 metre box. Stage Identify material property data for C50 concrete without superplasticisers S Shah, C F Tso 124857-13 14689718 2011
April 2011	Key processes and data for the migration of C-14 released from a cementitious repository April 2011
April 2011	Drilling fluid tracers - review and update of industry experience and issues for RWMD site characterisation programme April 2011
April 2011	Geological Disposal - RWMD Issues Process Briefing Note April 2011
April 2011	Comparison of the QSS model with the OKLO natural reactors (NPO003927)
May 2011	Geological Disposal - Development of manpower and skills data summary - May 2011
May 2011	Executive Summary Letter of Compliance Assessment Report - Disposability Assessment of Irradiated PFR Carbide Fuel - May 2011
May 2011	A review of the information available to assess the risk of microbiologically influenced corrosion in waste packages May 2011
May 2011	Review of durability of potential pu wasteforms Final 05-2011
May 2011	Geological Disposal Development of manpower and skills data - summary May 2011
May 2011	Development of manpower and skills data - May 2011
June 2011	Geological Disposal - Further information on geology for West Cumbria MRWS partnership
June 2011	R&D Panel 2011 Annual Report Final
July 2011	Investigation of gas generation and resaturation issues - input to EC FORGE Project July 2011
July 2011	Measurement of groundwater pressure in low-permeability strata - site characterisation project - final report July 2011
July 2011	Release fractions from vault impacts at 15 metres report July 2011
July 2011	Derivation of Scaling Factor to Estimate the Mass of Particulates Smaller than 10 and 40 microns July 2011
July 2011	An explanation of the differences between the 2007 derived inventory and equivalent wastes and materials in the 2010 UK Radioactive Waste Inventory
July 2011	Report on Workshop to Consider Illustrative Concepts for Sealing Investigation Boreholes

Date Published	Title
July 2011	Geological Disposal - Further information on R&D for West Cumbria MRWS Partnership Nuclear Decommissioning Authority. 14855523 2011
August 2011	Overview of the UK Spent Fuel Inventory - Evaluation of the Instant Release Fraction
August 2011	NDA RWMD Biosphere Assessment Studies FY2010-2011: Review of Biosphere Characterisation Studies
August 2011	Geological Disposal - Implications of the 2010 UK Radioactive Waste Inventory on the generic Disposal System Safety Case August 2011
September 2011	The Characteristics of LWR fuel at High Burnup and their relevance to AGR Spent Fuel
September 2011	Evaluation of Lid Bolt Performance in Shear 118366-09
September 2011	Optimisation of deep geological disposal of graphite wastes September 2011
September 2011	NDA RWMD Biosphere Assessment Studies FY2010-2011 - the biosphere transport - distribution and radiological impact of uranium series radionuclides from a Geological Disposal Facility
September 2011	Radioactive Wastes in the UK - The 2010 estimate of radioactive waste for Geological Disposal
September 2011	Breakup vs Flow in Waste packages 124857-06
October 2011	Longer-term release of carbon-14 from irradiated graphite October 2011
October 2011	Experimental and modelling studies of Carbon-14 behaviour in the biosphere October 2011
October 2011	Corrosion of candidate HLW-spent fuel container materials in generic environments - operational aspect October 2011
October 2011	Geological Disposal - Review of Environmental Assessment Practice in waste management organisations and UK major infrastructure October 2011
October 2011	Elicitation of dissolution rate data for potential wastefrom types for plutonium October 2011
October 2011	A review of decision-making on spent nuclear fuel reprocessing internationally October 2011
October 2011	Sorption detriments in the geosphere - the effect of cellulose degradation products Phase I experimental study October 2011
October 2011	Geological Disposal - Management of wastes from new nuclear build - implications of the Generic Disposal System Safety Case for Assessment of Waste Disposability October 2011
November 2011	The treatment of geosphere evolution in the post-closure performance assessments November 2011
November 2011	The feasibility of using multi-purpose containers for the geological disposal of spent fuel and high level radioactive waste November 2011
November 2011	Reactive Transport Modelling of the Tournemire Analogue LCS Phase II November 2011
November 2011	Corrosion and expansion of grouted Magnox November 2011
November 2011	Contents activity limits 3 mtr cube waste package transported in SWTC-70 transport container R10-098(C)_IssueC
November 2011	Contents Activity limits for the side-lifting variant of the 3 cubic mtr box R10-087(C) Issue C
November 2011	Compatibility of the Level 1 Generic Waste Package Specification and the Level 2 Generic Specification for ILW with Disposal Concepts
November 2011	NDA RWMD Biosphere Assessment Studies FY2010-2011 - biosphere assessment model
December 2011	Long-term cement studies - Maqarin Natural Analogue - modelling study final report December 2011
December 2011	Engaging stakeholders - John Holmes report

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December 2011	Implications of RWMD 500 year waste container integrity target compared with 150 years for container design and cost
December 2011	NDA RWMD Biosphere Assessment Studies FY2010-2011 - basis for biosphere assessment - context and methods
December 2011	Geological Disposal - Review of options for accelerating implementation of the Geological Disposal programme December 2011
January 2012	N-051 - The role of rock matrix diffusion in retarding the migration of radionuclides from a radioactive waste repository
January 2012	Experimental Study to Evaluate the Effect of Polymeric Encapsulants on the Corrosion Resistance of ILW Packages NPO003784
January 2012	TN 17936 - GD - A proposed approach to Equality Impact Assessment
January 2012	Interpretation and Modelling - Hydrogeology to support the Development of an Integrated Site Descriptive Model Part 1
January 2012	Calculation of near field pH buffering: Effect of Polymer Encapsulant
January 2012	Gas Generation and Migration through Evaporites (NPO004726)
February 2012	Geological Disposal - Assessment of the implications for the products of reprocessing compared to direct disposal of the spent fuel
February 2012	Summary report on IPPA (Implementing Public Participation Approaches) progress: Year 1 (TN 17897)
February 2012	Assesment of GDF implications for the products of reprocessing
February 2012	TOPCAT - Transport Operational Container Assessment Tool
February 2012	The feasibility of using multi-purpose containers for geological disposal of spent fuel and HLW
February 2012	Data Packs for Use in the Elicitation of Solubility and Sorption of Carbon Species in a Cementitious Near Field and for Sorption in the Far Field J. Small, O. Thompson, and D. Trivedi. NNL (08) 9537 Issue 2 14844672 2011
March 2012	Interactions with waste packagers on plans for packaging radioactive wastes - April 2011 to March 2012
March 2012	Assessment of potential radionuclide release from spent AGR fuel in a Geological Disposal Facility
March 2012	Contents activity side lifting 3 mtr cubic box transported in an SWTC-285transport container R04-169_C_IssueD
March 2012	Contents Activity limits for 500 ltr drum waste packages R10-102_C_IssueD
March 2012	Initial dissolution rate measurements for 25wt percent simulant waste-loaded Magnox VTR product in simulated groundwaters
March 2012	Summary Assessment Report: Packaging of Spent ILW Ion Exchange Resins at Sizewell B using MOSAIK Casks (Interim Stage)
March 2012	Strategic environmental assessment Uncertainty Workshop Report
March 2012	GD17968 - Feedback on RWMDs Initial Stakeholder Profiles and Engagement Plans
March 2012	Geological Disposal - Approach to embedding environmental and socio-economic issues in design work
March 2012	Estimation of Uncertainty in Release fractions for accident performance NNL12011_Issue2
March 2012	Gas Migratin calculations on the vault scale report_I3_1
March 2012	TranSAT version 4.22 User Guide and programmers manual R01-094A Issue M
March 2012	Dipsosal concept options for separated uranium U_Report_Issue_1_RWMD Final
March 2012	Peliminary ALARP Assessment of RAdioactive Waste transport
March 2012	Interpretation and Modelling - Hydrochemistry to support development of integrated site descriptive model
March 2012	FINAL VERSION Serco Interactions of vitrified Waste with NRVB Report TCS-003133-002 Issue 19-Mar-12

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March 2012	Interpretation and modelling: geology to support the development of an Integrated Site Descriptive Model
March 2012	Contents activity disposal containers R10-049_C_IssueC
March 2012	Contents activity limits for 500ltr drum for annular grouted waste transport in SWTC-285 transport container R04-167_C_IssueE
March 2012	contents activity limits for 4 mtr box waste pkg design no GB3852 R04-086_C_IssueF
March 2012	Contents activity limits for 3 cubic metre drum waste package transported in a SWTC-70 transport container (NP004956)
March 2012	Contents Activity limits for 2 mtr box design no GB3954R07-021_C_IssueF
April 2012	State of the art in upscaling of two phase flow in fractured rock
May 2012	ILW Repository Thermal Analysis Using ABAQUS
May 2012	Review of baseline assumptions regarding disposal of core graphite in a geological disposal facility Nuclear Decommissioning Authority 16495644 16495644 2012
May 2012	Effect of experimental method on the solubility of thorium
May 2012	An Assessment of Key Controls for the Disposal of Uranium Wastes
May 2012	Cement materials for use as backfill, sealing and structural materials in geological disposal concepts. A review of current status
June 2012	Assessment of Issues Relating to Pre-closure to Post-closure Gas Generation in a geological disposal facility (GDF) QRS/1378ZP/R1
June 2012	Geological Disposal - Upstream Optioneering Phase 2 Overview June 2012
June 2012	Geological Disposal - Upstream Optioneering Update June 2012
June 2012	Criticality Safety in a Geological Disposal Facility (TN17839)
June 2012	Further development of LCS modelling capability modelling
June 2012	Geological Disposal - Concept selection process
June 2012	Thermally Treated Wastes Overview Report June 2012
June 2012	Thermally Treated Wastes Technical Report June 2012
June 2012	Geological Disposal - Response to regulatory review of generic Disposal System Safety Case June 2012
June 2012	Human Factors and Behavioural Safety Approach for Managing Risks Associated with Nuclear Waste Repository Construction and Commissioning
June 2012	GD - Disposability Assessment Process - Report on Customer Feedback - January to December
July 2012	Frequently Asked Questions Related to Geological Disposal July 2012
July 2012	Strategic Transport Options Study
July 2012	Superplasticiser Position Paper RWMD comments issue 4 Approved
July 2012	RWMD Initial Human Factors Integration Plan for a GDF Issue 2 with NDA page
July 2012	Characterisation of environmental conditions in an ILW store
July 2012	Assessment of pit propagation rates in stainless steel in atmospheric conditions
July 2012	The potential for NAPL production in irradiated polymers updated 11 July 2012
July 2012	SKB International - Identification and Quantification of Potential Benefits
August 2012	An Assessment of the Benefits and Drawbacks of Updating TranSat
August 2012	Methodology Development for the Criticality Component of the Design Safety Report for the Standard Waste Transporter Container SWTC-285 (R08-041 (A) Issue C)
August 2012	GD - Overview of RWMD approach to definition of safety functions
August 2012	Upstream Optioneering Workshop Information July 2012
August 2012	Packaging of Berkeley MCI in Vault 3 and the Shielded Area using Type II and Type VI Ductile Cast Iron Containers _Interim Stage

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August 2012	DSRL Responses to Interim Stage LoC Action Points for the DFR Raffinate Encapsulation Development Work and PFR Neutralisation with Limestone
August 2012	Packaging of AWE Pyrochemical Salts in Calcium Phosphate Ceramics
August 2012	Packaging of Ion Exchange Material at Bradwell using Type II Ductile Cast Iron Containers
August 2012	Packaging of Dounreay RHILW in TRU-Shield Containers
August 2012	Packaging of Chute Silo Wastes at Berkeley using Type II Ductile Cast Iron Containers
August 2012	Summary of Assessment Report for Packaging of WEP wastes derived from 5% LEU fuel
August 2012	Packaging of Magnox Care and Maintenance Preparation Wastes into Ductile Cast Iron Containers.
August 2012	Packaging of metallic scrap retrieved from the Sellafield Magnox Fuel Storage Ponds
August 2012	Packaging of Dounreay PFR Decommissioning Waste in 2m or 4m Boxes _Conceptual Stage
August 2012	Summary of Assessment Report for Disposal Options for Advanced Gas Reactor
August 2012	Pile Fuel Cladding Silo Treatment Options
August 2012	LoC Action Point B08_047 Silos Direct Encapsulation Plant
August 2012	Packaging of PWR1 Submarine Dismantling ILW in 3m3 Boxes
August 2012	Packaging of Sizewell B Spent Fuel
August 2012	Croft Rectangular Box Safstores for the Packaging of ILW
August 2012	Magnox CMP ILW in DCICs to include Mixed Wastes
August 2012	GD - Upstream Optioneering Phase 2 Technical Report
August 2012	Packaging of Berkeley Vault 1 and 2 FED_MCI using Type II and Type VI Ductile Cast Iron Containers _Interim Stage_.
September 2012	Understanding the Post-Closure Thermal Impact of HLW/SF Waste Packages QRS-1384Q-R2-v2 1
September 2012	Potential Role of Fungi and Algae in the Atmospheric Corrosion of Waste Packages in Interim Storage - task 1.7 report
September 2012	Potential for buoyant non-aqueous phase liquid to migrate in the free phase from a geological disposal facility (GDF) (QRS-1593A-4)
September 2012	Summary of Assessment Report for Third Generation Irradiated Mixed Oxide Fuel (Conceptual Stage)
October 2012	GD - Summary of NAPL Studies March 2010
October 2012	Separation of Co-located Geological Disposal Facility Emplacement Modules
October 2012	Thermal Material Properties for Modelling of the 2 Metre Box (L6677228)
October 2012	Habitats Regulation Assessment plan level methodology for use during MRWS Stage 4
October 2012	Summary of Assessment Report for Containerised Storage of Hunterston A FED Graphite and other non-Magnox FED (Final Stage)
November 2012	The use of Neutron-absorbing Materials in ILW and Spent Fuel Packages for Criticality Control (RWMD/04/006)
November 2012	Geological Disposal - Manpower and skills requirements 2012 update
November 2012	Summary of Assessment Report for Trawsfynydd Pond FED and Skips (Final Stage)
December 2012	An initial evaluation of the nature and amount of voidage associated with an ILW GDF
December 2012	Geological Disposal - Development of manpower and skills data for facilities that could be sited adjacent to a GDF
December 2012	NDA RWMD Microbiology Strategy Review August 2012 MCM-TN-12-05
December 2012	Uptake of Carbon 14 in the biosphere

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December 2012	Disposal Concept Options for Separated Plutonium NPO004576
December 2012	RWMD Integrated Transport Study Issue 3
December 2012	Contents activity for 3 cubic metre drum package transported in an SWTC-70
December 2012	Carbon-14 Project Phase 1 Report
December 2012	Geological Disposal: R&D Programme overview – Research and development needs in the preparatory studies phase – 2012 revision
December 2012	Contents Activity Limits 2 metre box transport container design no GB3954 TD/ETS/R/12/292
December 2012	contents activity corner lifting variantTD-ETS-R-12-294 Rev1
December 2012	contents activity limits 500 ltr drum TD-ETS-R-12-291 Rev1
December 2012	contents activity 3 cubic mtr drumTD-ETS-R-12-295 Rev1
December 2012	Contents activity limits for corner lifting 3 cubic metre box transported in an STWC-285 transport container (TD-ETS-R-12-290 Rev1)
December 2012	contents activity 500 ltr drum SWTC 285 TD-ETS-R-12-288 Rev1
December 2012	Contents activity side lifting variant of 3 cubic mtr boxTD-ETS-R-12-289 Rev1
December 2012	Summary of Assessment Report for Ponds Solids Legacy Fuels - Proposals for Cold Vacuum Drying and In-Container Vitrification (Conceptual Stage)
December 2012	Summary of Assessment Report for Whole Submarine Reactor Pressure Vessels (Conceptual Stage)
December 2012	High-Heat Generating Wastes IPT Roadmap Finalv2 NDA-RWMD-095 TN_18043
December 2012	Environmental Safety Case Strategy
December 2012	Building Information Management Strategy and Implementation Plan
January 2013	Contents Activity Limits for 4 Metre Box Waste Package Design No. GB3852 G Patterson TD-ETS-R-12-297 17913025 2012
January 2013	Contents Activity Limits for the Side-Lifting variant of the 3 Cubic Metre Box Waste Package Transported in an SWTC-70 Transport Container
January 2013	Summary of Assessment Report for Plutonium Contaminated Material at the Waste Treatment Complex (ext. to Final and Periodic Review)
January 2013	Sellafield Ltd Generic 3m3 Box Design Interim Stage
January 2013	Packaging of Hunterston A Sludge
January 2013	Encapsulation of Legacy Fuel and Fuel Bearing Materials from Sellafield Ponds
January 2013	Packaging of Site-Wide ILW at VULCAN Nuclear Reactor Test Establishment _Conceptual Stage
January 2013	Options for Packaging of Reactor Core Graphite for Disposal
January 2013	Packaging of Magnox Swarf Storage Silo Miscellaneous Beta Gamma Waste at Windscale Advanced Gas-cooled Reactor
January 2013	Assessment of Revised Fissile Limits for Harwell RHILW
January 2013	Assessment of Modifications to Pre-treatment and Packing of Remaining Radium Wastes
January 2013	Gas Migration and Rock Matrix Diffusion in Higher Strength Rocks
January 2013	Potential for non aqueous phase liquid production - irradiated neoprene
January 2013	Review of the long-term stability of potential system components for sealing deep investigation boreholes (B1821105/001)
January 2013	Summary of Assessment Report for Operational ILW from the Proposed EPRs at Hinkley Point C and Sizewell C (Conceptual Stage)
January 2013	The potential for non-aqueous phase liquid production from irradiated PVC and Vinyvesterstyrene (VES) (NPO1042)
January 2013	Geological Disposal Concept Options for Spent Fuel
February 2013	An assessment of the generation of GDF-derived gas using the 2007 Derived Inventory

Date Published	Title
February 2013	CritiCAT - Criticality Content Assessment Tool: Version 3.1 User Guide and Verification Ben Swift, Bill Manville AMEC / 005728 / 002 Issue 4 18755570 2013
February 2013	Study of the Assumptions underpinning the generic transport safety case
February 2013	The Role of PVC Additives in the Potential Formation of NAPLs
February 2013	Thermal Assessment of the SWTC-285 Transport Container
February 2013	Initial insights into the effects of natural transients on a Geological Disposal Facility
February 2013	Modelling of Consequences of Hypothetical Criticality: User Guide for the Rapid Transient Model and the Bounding Approach (RWM005140)
February 2013	GD - UILW Waste package fire accident conditions
February 2013	GD - UILW Waste package impact accident conditions
February 2013	Generic specification for waste packages containing High Heat Generating Waste - impacts of geological disposal concepts on packaging criteria
February 2013	Summary report on IPPA (Implementing Public Participation Processes) progress: Year 2 TN18951311
February 2013	GD - Upstream Optioneering - Phase 3 Update February 2013
February 2013	Summary of Assessment Report for Trawsfynydd Sludge - Packaging of Mixed Sludge Containing RV1 Residue (Final Stage Action Points)
March 2013	Geological Disposal: Integrated Project Team on Uranium - Phase 2 Planning Report Volume 1 - Roadmap
March 2013	RWMD Biosphere Assessment Model: Marine Component (QRS/1628A/1)
March 2013	Summary of Assessment Report for Croft Cylindrical Safstores™ for the packaging of ILW (Conceptual Stage)
March 2013	Summary of Assessment Report for Accident Performance Assessment of AWE Legacy Hydrodynamic Vessel Packages (Pre-Interim Stage)
March 2013	Interpretation and modelling: geotechnical and thermal to support the development of an integrated site descriptive model (NDA/RWMD/15104571)
March 2013	Interpretation and modelling: radionuclide transport to support the development of an integrated site descriptive model (NPO004813)
March 2013	Summary of Assessment Report for WAGR Reactor Decommissioning Debris (Final Stage)
March 2013	Release of Organic Radiolysis Products from Barium Carbonate NPO1187
March 2013	Analysis of chloride deposition rates relevant to ILW stores
March 2013	Upstream Optioneering - Overview and uses of the 6 cubic metre concrete box
March 2013	RWMD Biosphere Assessment Model: Terrestrial Component (QRS/1628A/2)
March 2013	Solubility Studies: Effect of ADVA Cast 551 at Low Concentration NPO004236 / RWM005477
March 2013	Geological Disposal - RWMD approach to issues management March 2013
April 2013	Using a bounding approach for rapid transient criticality events (NPO004556)
April 2013	Potential Natural Changes and Implications for a UK Geological Disposal Facility (GDF)
April 2013	WAGR Drop Box Analysis and Assessment Application Analyses (1920149 Task 5-R-05)
April 2013	Summary of Assessment Report for Encapsulation of RIPPLE X and Large Sources
April 2013	Assessment of effects of cellulose degradation products on the behaviour of europium and thorium NNL (12) 12239 Part A

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April 2013	Assessment of the effects of cellulose degradation products on the behaviour of europium and thorium NNL (12) 12239 Part B
April 2013	Review of respirable particle size range
April 2013	Interpretation and modelling: biosphere to support the development of an integrated site descriptive model (745.1R 001 CMM Report)
May 2013	Geological Disposal - Operational aspects of waste transport
May 2013	Summary of Assessment Report for Miscellaneous Activated Components at Trawsfynydd Power Station (Periodic Review)
May 2013	Geological Disposal - A strategic examination of the key differentiators influencing the selection of Robust Shielded Containers
May 2013	CritiCAT - Criticality Content Assessment Toolkit v4.0 Users Guide (RWMD/04/012)
May 2013	Position Statement - support for academic research
May 2013	Technical Advisory Panel Annual Report 2012-13
May 2013	Impact scenarios and energies for waste packages during transport in SWTC
May 2013	Factors influencing borehole design (B1787400)
June 2013	Treatment of Coupled Processes in Geological Disposal Review of UK Work and Treatment of Coupled Processes in Performance Assessments in other Countries
June 2013	Approach to developing a strategy for technology transfer NDA RWMD 099
June 2013	Summary of Assessment Report for Croft Associates Minibox and MA Safstore Containers only (Conceptual Stage)
June 2013	An assessment of the sensitivity of the results of the generic TSSA to adoption of exclusive-use dose limits
June 2013	HLW Insight Modelling
June 2013	Definition of Rockfall Scenarios in a Geological Disposal Facility for Radioactive Waste
June 2013	Summary of Assessment Report for Croft 3m3 Safstores for the packaging of ILW (Conceptual Stage)
June 2013	Spot-check' ageing tests on a candidate polymer encapsulant: low temperature Alchemix epoxy resin R005731
June 2013	NAPL Generation from the Radiolysis of Polyethylene and Chlorosulphonated Polyethylene Elastomer (Hypalon) (NPO003431)
June 2013	Summary of Assessment Report for Shaft and Silo at Dounreay (Interim Stage)
June 2013	Summary of Assessment Report for Magnox Swarf Storage Silo Wastes at the Silos Direct encapsulation Plant (SDP) (Interim Stage)
July 2013	Geological Disposal - Design Information Requirements from the RWMD Site Characterisation Programme
July 2013	NDA RWMD interactions with waste packagers on plans for packaging radioactive wastes April 2012 - March 2013
July 2013	Geological Disposal - Safety Case Information Requirements from the RWMD Site Characterisation Programme
July 2013	Summary of Assessment Report for SGHWR decommissioning ILW in 6m3 concrete boxes (Interim Stage)
July 2013	Quarterly Performance Report Quarter 1 status for 2013-14
July 2013	SWTC Contents Specification Methodology (TD/ETS/R/12/269 rev.1)
July 2013	Update of thermodynamic data for tin in the HATCHES database
July 2013	Geological Disposal - Environmental Assessment Information Requirements from the RWMD Site Characterisation Programme (19657261)
July 2013	How the world is dealing with its radioactive wastes
July 2013	Summary of Assessment Report for Trawsfynydd Ion Exchange (IEX) Resins Campaign 8 (Final Stage)

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August 2013	Summary of Assessment Report for Sellafield Legacy MBGW at the Box Encapsulation Plant (Conceptual Stage)
August 2013	Summary of Assessment Report for Siempelkamp Ductile Cast Iron Blue Barrel - Containers only (Conceptual)
August 2013	Impact of water carry over on the extent of structural damage and pressurisation on a Variant 2 standardised AGR fuel container (QRS/1589A-R1.1)
September 2013	Robust Shielded Container Criticality Safety Assessment - Generic Description of RSCs
September 2013	A Generic Criticality Safety Assessment for Irradiated Natural and Low-enriched Uranium Wastes Packaged in Robust Shielded Containers Volume 2 - Modelling Results
September 2013	A Generic Criticality Safety Assessment for Irradiated Natural and Low-enriched Uranium Wastes Packaged in Robust Shielded Containers Volume 1 - Assessment
September 2013	Geological Disposal - Overview of international siting processes
September 2013	Summary of Assessment Report for Sizewell B ILW Resin in DCICs (Final Stage)
September 2013	Geological Disposal: Framework for Application of Modelling in the Radioactive Waste Management Directorate (NDA/RWMD/101)
September 2013	Effects of irradiated polymeric encapsulant leachates on radionuclide solubility (RWM005244B)
September 2013	Effects of superplasticiser on radionuclide solubility (RWM005244B)
October 2013	Summary of Assessment Report for Ponds Solids Legacy Isotope Cartridges- Encapsulation, CVD and pre-treatment options
October 2013	Contents Activity Limits for Miscellaneous Beta Gamma Waste Store Box Waste Package in an SWTC-150 Transport Container (TD/ETS/R/12/305)
October 2013	Summary of Assessment Report for Packaging of Dragon Fuel Waste in Magnox Encapsulation Plant
October 2013	Summary of Assessment Report for Piles Fuel Storage Pond (PFSP) Sludge at the Wastes Encapsulation plant
December 2013	Draft Business Plan 2014-2017
December 2013	Summary of Assessment Report for Dragon decommissioning ILW in 6m3 concrete boxes (Interim Stage)
December 2013	Salary Ranges 2013
December 2013	Summary of Assessment Report for RIPPLE I - X and Large Sources (Final Stage)
December 2013	Reorganisation of Fault Scenarios to Match the 2012 Fault Schedule: methodology note (J7357.24.001 Issue 2)
January 2014	Geological Disposal - Feasibility studies exploring options for storage, transport and disposal of spent fuel from potential new nuclear power stations (NDA/RWMD/060/Rev1)
January 2014	Geological Disposal: Operational Safety Strategy (NDA/RWM/107)
January 2014	Geological Disposal - Transport Safety Strategy (NDA/RWMD/106)
January 2014	RWM contracts awarded 2014
January 2014	Geological Disposal - Upstream Optioneering Update January 2014 (TN 21172220)
January 2014	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B1: Corrosion of Copper
January 2014	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B2: Corrosion of Carbon Steel
January 2014	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B3: Corrosion of Cast Iron
February 2014	Operational Safety Assessment (ROSA) Toolkit Version 6.0: User Manual R11-034 (W)

Date Published	Title
March 2014	Summary report on IPPA (Implementing Public Participation Approaches) progress: Year 3
March 2014	Geological Disposal: Technical Programme Part B Delivery (NDA/RWMD/112)
March 2014	Summary of Assessment Report for Harwell LETP (Periodic Review)
March 2014	Carbon-14 release from Oldbury graphite (NPO004819)
March 2014	Optimum packaging approach for disposal of decommissioning waste arisings (RWMD/04/006)
March 2014	Modelling of consequences of hypothetical criticality: synthesis report for post-closure criticality consequence analysis (RWM005140)
March 2014	Modelling of consequences of hypothetical criticality: post-closure criticality consequence analysis for HLW, spent fuel, plutonium and HEU disposal (RWM005140)
March 2014	Geological Disposal and Climate Change (NDA/RWMD/110)
March 2014	The Likelihood of Criticality: Synthesis report (RWMD/003/001)
March 2014	The Likelihood of Criticality: Following disposal of SF/HLW/HEU/Pu (RWMD/003/001)
March 2014	The Likelihood of Criticality: Following disposal of LLW/ILW/DNLEU (RWMD/003/001)
March 2014	Geological disposal: design status report
March 2014	Operational Safety Assessment (ROSA) Toolkit Version 6.0: Assessment Methodology Employed R11-034 (W)
March 2014	Operational Safety Assessment (ROSA) Toolkit Version 6.0: Verification Report R12-070 (W)
March 2014	The effects of gamma radiation on a candidate polymer encapsulant: Alchemix 4760 (NPO003600)
March 2014	Study of recent post-closure safety cases (NDA/RWMD/109)
March 2014	A review of the Development of Bentonite Barriers in the KBS-3V Disposal Concept
March 2014	Geological Disposal - Scoping study to consider potential options for lifecycle management of HLW (NDA/RWMD/111)
March 2014	Optimising the management of Higher Activity Wastes (HAW) workshop
March 2014	Summary of Assessment Report for Ammonium Diuranate Flocculent waste (Interim Stage)
April 2014	Transport Safety Review and Scoping Study
April 2014	Blind reactive-transport modelling of the LCS in situ experiment: predictions of system evolution for subsequent comparison with data observed via overcoring (QRS/1523C/1)
April 2014	Review of the NDA RWMD Approach to Chemotoxicity Assessments
April 2014	Review of the current status of work on enhanced bentonite buffer materials (RWMD Project RP51 TN-E2.2)
April 2014	Decovalex-2011 Quintessa and University of Edinburgh Contribution to Task A (QRS/1378J/R9)
May 2014	A review of literature in support of experimental and modelling studies of Carbon-14 behaviour in the biosphere
May 2014	Uptake of Gaseous Carbon 14 in the Biosphere Modelling of Field and Laboratory Experiments (NPO004437)
May 2014	Sealing deep site investigation boreholes: Phase 1 Report (RWMD/03/042)
May 2014	Integrated Project on Uranium: Phase 2 -Review of UK and Overseas Depleted Natural and Low Enriched Uranium Management
May 2014	Integrated Project on Uranium: Phase 2 - An Assessment and Comparison of the Chemotoxic and Radiotoxic Properties of Uranium Compounds

Date Published	Title
May 2014	T2Plants Version 1.1 Modification of TOUGH2 for near-surface transport of gases, including atmospheric boundary conditions and the effects of plants (NPO004437)
June 2014	Upstream optioneering - LLW ILW opportunities identification of potential opportunities for ILW LLW boundary wastes introduced by changing disposal route
June 2014	Upstream optioneering - LLW/ILW opportunities - the management of tritiated waste
June 2014	Technical Advisory Panel Annual Report for 2013 to 2014
June 2014	Uptake of Carbon-14 in the Biosphere Field and laboratory experiments to determine the fate and behaviour of ¹⁴ CH ₄ injected into agricultural subsoil Progress Report for Year 3
June 2014	Task C of DECOVALEX-2011 an overview of work by AMEC and its partners (NPO004926)
June 2014	Emanation coefficients relating to in-package behaviour of radon (RWMD/03/026)
July 2014	RWM Coupled Processes Project First Annual Report for RWM participation in DECOVALEX-2015 Tasks A and C1 (RWMD/03/020)
July 2014	RWM Coupled Processes Project - First Annual Report for RWM participation in DECOVALEX-2015 Tasks A and C1
July 2014	Modelling bentonite resaturation in the Bentonite Rock Interaction Experiment (BRIE) - Task 8C
July 2014	NDA RWMD interactions with waste packagers on plans for packaging radioactive wastes April 2013 to March 2014 (NDA/RWMD/119)
August 2014	Uptake of Gaseous Carbon 14 in the Biosphere Development of an Assessment Model NPO004437
August 2014	Upstream optioneering: centralised intermediate level radioactive waste finishing facility (NDA/RWM/117)
September 2014	NAPL generation from PVC and the fate of plasticiser additives when aged in aqueous solutions NPO003431
September 2014	Uptake of Carbon-14 in the Biosphere: Summary Report NPO004437
October 2014	Geological Disposal Facility Design Principles (Safety Environmental Security and Safeguards Principles for the Design Process)
October 2014	National Geological Screening Report from Technical Event 30 September 2014
October 2014	Disposability assessment process: report on customer feedback - January to December 2013
November 2014	The eta factor in the GPA
November 2014	Impact of water carry over on the extent of structural damage and pressurisation on a variant 2 AGR spent fuel disposal container
November 2014	Representation of Climate Change and Landscape Development in Post-closure Radiological Impact Assessments (QRS/1667A/1)
January 2015	Understanding the Evolution of the Carbon Component of the Dragon Reactor Fuel during the Post-Closure Phase of Geological Disposal
January 2015	Modelling of consequences of hypothetical criticality: User Guide for the Quasi Steady State Model
February 2015	Review of glass dissolution models and application to UK glasses
February 2015	RWM stakeholder event record: 30 October 2014
February 2015	Record of RWM decontaminants expert workshop September 2014
March 2015	Demonstration of Carbonation of the NRVB
March 2015	Modelling of Consequences of Hypothetical Criticality: Post-closure Criticality Consequence Analysis for HLW, Spent Fuel, Plutonium and HEU Disposal
March 2015	Modelling of Consequences of Hypothetical Criticality: Post-closure Criticality Consequence Analysis for ILW, LLW and DNLEU Disposal

Date Published	Title
April 2015	A Survey of Current Environmental Conditions Within ILW Interim Stores and Potential GDF Analogues
May 2015	The use of failure assessment diagrams to evaluate the durability of HLW and spent fuel waste containers
May 2015	Harpur Hill Site: its geology evolutionary history and a catalogue of materials present
May 2015	Radioactive Waste Management: Corporate Strategy 2015 to 2018
May 2015	The Harpur Hill Site - An assessment as an analogue to a cementitious GDF
May 2015	Draft National Geological Screening Guidance - A document for the Independent Review Panel
June 2015	Upstream optioneering - LLW/ILW opportunities - preparation of an inventory of waste potentially suitable for diversion from geological disposal
June 2015	Regional modelling of the potential for permafrost development in Great Britain
June 2015	RWM Coupled Processes Project - Second Annual Report for RWM participation in DECOVALEX-2015 Tasks A and C1
June 2015	National Geological Screening: non-specialist stakeholder events, June 2015
June 2015	Developing the National Geological Screening Guidance: Presentation to Independent Review Panel 23 June 2015
June 2015	RWM Hospitality and Gifts Register
July 2015	Upstream optioneering - LLW/ILW opportunities management of waste by safety case rather than classification
July 2015	Andra Technology Transfer Identification and Quantification of Potential Benefits
July 2015	Determination of G-values for use in SMOGG gas generation calculations
July 2015	NDA/RWM/081 Geological Disposal: RWM approach to issues management v4
July 2015	An overview of the differences between the 2013 Derived Inventory and the 2010 Derived Inventory
July 2015	Implications of the 2013 Derived Inventory on the generic Disposal System Safety Case
July 2015	The 2013 Derived Inventory
July 2015	National Geological Screening for the disposal of radioactive waste: report of the Independent Review Panel meeting on 23 June 2015
August 2015	Solubility studies in the presence of polycarboxylate ether superplasticisers
August 2015	Joint Top Down Review of Potential Benefits of transferring Swedish technology for geological disposal to the UK
August 2015	Changes to RWM Issues Register May to July 2015
August 2015	Upstream Optioneering: Summary of LLW/ILW Opportunities
August 2015	Cyprus Natural Analogue Project (CNAP): the contribution of CNAP to NDA-RWMD's R and D Programme and Geosphere Status Report
September 2015	A public consultation: National Geological Screening Guidance
September 2015	A glossary to support the public consultation on National Geological Screening Guidance
September 2015	RWM response to Independent Review Panel comments on the draft National Geological Screening Guidance
September 2015	Ymgynghoriad Cyhoeddus: Canllawiau Sgrinio Daearegol Cenedlaethol
September 2015	Development of a methodology for defining waste package characteristics that ensure long-term criticality safety in a geological disposal facility
October 2015	Summary of Assessment for AWE Hydrodynamics Experiment Vessels

Date Published	Title
October 2015	Summary of Assessment for AWE Plutonium and Uranium Contaminated Material
October 2015	Summary of Assessment for Solid ILW at Hinkley Point A Decommissioning Site
October 2015	Summary of Assessment for Solid ILW at Hunterston A Decommissioning Site
October 2015	Summary of Assessment for Trawsfynydd Active Waste Vaults
November 2015	Slides from National Geological Screening workshop in London on October 1 2015
December 2015	Technical Advisory Panel Annual Report for FY 2014 - 2015
December 2015	Upstream Optioneering: Optimised Management of Orphan Wastes
December 2015	Optimised Management of Radioactive Sources Declared as Waste
December 2015	In Situ Immobilisation and Encapsulation of ILW During Decommissioning Activities
December 2015	Upstream Optioneering: Early Export of AGR Spent Fuel to the GDF
December 2015	Geological Disposal: Upstream Optioneering Technical Feasibility of Mobile Plant for Higher Activity Wastes
December 2015	Health, Safety, Security, Safeguards, Environment and Quality Strategy
January 2016	Final Report of the Coupled Processes Project: Outcomes from DECOVALEX-2015
January 2016	Integrated Project on Uranium: Phase 2 - Conceptual Model of Far-field Uranium Transport
January 2016	Integrated Project on Uranium: Phase 2 - Uranium and its Daughters in the Far Field
January 2016	Integrated Project on Uranium: Phase 2 - Post-closure Safety of DNLEU Disposal
January 2016	Integrated Project on Uranium: Phase 2 - Investigating the implications of managing DNLEU through geological disposal - Progress Report
January 2016	Project Ankhiale: Estimating the uplift due to high-heat-generating waste in a Geological Disposal Facility
January 2016	Geosphere Parameters for Generic Geological Environments
January 2016	RWM Coupled Processes Project: Third Annual Report for RWM Participation in DECOVALEX-2015 Tasks A and C1
January 2016	Geological Disposal: Disposability Assessment Process - Report on Customer Feedback January to December 2014
March 2016	Calibrated modelling of resaturation in the Bentonite Rock Interaction Experiment (BRIE) - Task 8D
March 2016	Experimental studies of the chemical durability of UK HLW and ILW glasses - interim progress report (AMEC/103498/IPR/02 revision 3)
April 2016	Societal aspects of geological disposal
May 2016	Geological Disposal: Carbon-14 Project Phase 2: Overview report
May 2016	Implications of voidage for post-closure safety of a GDF
May 2016	A catalogue of analogues for radioactive waste management
June 2016	Atmospheric durability of coating systems and the potential for internal corrosion, pressurisation and hydrogen embrittlement of carbon steel and cast iron ILW/LLW containers
June 2016	Modelling the Expansion and Cracking of Grouted Wasteforms Containing Mild Steel or Magnox
June 2016	Carbon-14 Project Phase 2 - Formation of a Gas Phase and its Migration
June 2016	Carbon-14 Project Phase 2 - Irradiated Graphite Wastes
June 2016	Carbon-14 Project Team Phase 2 - Irradiated Steel Wastes
June 2016	Carbon-14 Project Phase 2 - Irradiated Reactive Metal Wastes
June 2016	Carbon-14 Project Phase 2 - Modelling
June 2016	Carbon-14 Project Phase 2 - Inventory
June 2016	Operational Impacts from Aerial Discharges of Carbon-14 Bearing Gases

Date Published	Title
June 2016	GDF Post-closure Criticality Consequences Assessment
June 2016	The Oxidation of Methane in Soil as a Factor in Determining the Radiological Impact of a Geological Disposal Facility
June 2016	Effect of Chloride on Magnox Corrosion with Respect to Carbon-14 Release Post Closure
July 2016	Gas Generation Data to Support the 2016 Generic Operational Environmental Safety Assessment
July 2016	User Guide for SMOGG Version 7.0: A Simplified Model of Gas Generation from Radioactive Waste
July 2016	Specification for SMOGG Version 7.0: A Simplified Model of Gas Generation from Radioactive Wastes
July 2016	NRVB grout formulation trials and limestone flour characterisation
July 2016	Fate of hydrogen generated in a geological disposal facility: outcomes from a workshop held on 15th and 16th September 2014
July 2016	Sealing Site Investigation Boreholes: Phase 2. Annual Report for 2014/2015
July 2016	Sealing Site Investigation Boreholes: Phase 2. Task 2b: Modelling the effects of site investigation boreholes on groundwater flow
July 2016	Geological Disposal: NDA RWM Interactions with Waste Packagers on Plans for Packaging of Radioactive Wastes - April 2014 to March 2015
July 2016	Integrated Project on Uranium: Phase 2 - Review of geochemical conditions and uranium behaviour in the near-field
July 2016	A potential methodology for determining a tolerable separation distance between disposal areas containing different types of waste
July 2016	RWM HAW Innovation and Delivery: A Review of Cement Powders Security of Supply, Specifications and Disposability Issues
July 2016	Transport and Operational Criticality Safety of MPC Disposal Concepts: Scoping Criticality Safety Study
July 2016	The effects of extended operation on the performance of a GDF
July 2016	Integrated Project on Uranium: Phase 2 - Scoping criticality safety assessment for low enriched uranium
July 2016	Scoping Studies of the Matrix Dissolution Rate and Instant Release Fraction of Spent AGR Fuel - Main Report
July 2016	Scoping Studies of the Matrix Dissolution Rate and Instant Release Fraction of Spent AGR Fuel - Appendix 2
August 2016	Blind geochemical modelling of the LCS experiment - A detailed model of the evolution of the cement source
August 2016	Post-closure study of hazardous substances in a GDF
August 2016	Summary of the BIGRAD project and its implications for a geological disposal facility
August 2016	Integrated Project on Uranium: Phase 2 - Feasibility of Nearer-Surface Disposal of DNLEU
August 2016	Experimental studies of crevice corrosion of grade-2 titanium at variable oxygen concentrations
August 2016	Downscaling of Climate Modelling Results for Application to Potential Sites for a Geological Disposal Facility
August 2016	Types of Critical Systems and the Credibility of Rapid Transient Criticality in a Geological Disposal Facility
August 2016	Experimental studies of the durability of UK HLW and ILW glasses. The effect of magnesium
August 2016	Role and scope of Radiological Protection Programmes for the transport of radioactive waste to a Geological Disposal Facility
August 2016	TOpCAT - Transport and Operational Content Assessment Toolkit: Version 6.1 User Guide and Verification
August 2016	Justification for Type B(M) parameters for the SWTC family of transport packages

Date Published	Title
August 2016	Development of a Quantitative Criterion for Multiple Water Barrier (MWB) Systems
August 2016	Multiple Water Barrier (MWB) Systems - Package Designs where the Contents Contribute to Package Performance
September 2016	Feasibility of Operating a GDF for an Extended Operational Duration
September 2016	Feasibility studies for the design of disposal vaults for multi-purpose containers (MPCs) - Review of GDF Backfill Emplacement Technology Options
October 2016	Integrated Project on Uranium: Phase 2 - Preferred Disposal Concept Options for Depleted, Natural and Low Enriched Uranium
October 2016	Record of RWM Decontamination Agents Expert Workshop
October 2016	The Behaviour of Lead in and Around a Geological Disposal Facility
November 2016	Impact of Elevated Temperatures on Bentonite Buffers
November 2016	Gas Generation from HLW and Spent Fuel
November 2016	Integrated Project on Uranium: Phase 2 - Recommendations for Future Work on Disposal of Depleted, Natural and Low Enriched Uranium
December 2016	Generic Design Assessment: Summary of Disposability Assessment for Wastes and Spent Fuel arising from Operation of the UK ABWR
December 2016	Generic Design Assessment: Disposability Assessment for Wastes and Spent Fuel arising from Operation of the UK ABWR Part 1: Main Report
December 2016	Generic Design Assessment: Disposability Assessment for Wastes and Spent Fuel arising from Operation of the UK ABWR Part 2: Supporting Data
December 2016	The Atmospheric Corrosion of Stainless Steel in Stores (ACSIS) Model
December 2016	Summary of factors affecting the disposability of unirradiated depleted uranium tails and Magnox depleted uranium
December 2016	Investigating the Implications of Managing Depleted, Natural and Low Enriched Uranium through Geological Disposal
January 2017	NDA-RWM-138 Generic Post-closure Performance Modelling
January 2017	Technical Advisory Panel Annual Report for 2015-16
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix A - Mechanical Processes
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B0 - Corrosion Processes
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix C - Container Fabrication
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix D1: Integration of Container Failure Modes
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix D2: Container Lifetime Prediction Approaches
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix D3: Failure Assessment Diagram Approach
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B4: Corrosion of Stainless Steel
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B5: Corrosion of Titanium Alloys
January 2017	Durability of High Level Waste and Spent Fuel Disposal Containers - Appendix B6: Corrosion of Nickel Alloys
February 2017	GEOWASTE Project Summary of Output from a Joint EPSRC-NDA RWMD Co-funded Project
February 2017	Potential Effects Of Gas Release From Vented Waste Packages During Backfill Emplacement On Properties Of The Backfill
February 2017	Sealing Site Investigation Boreholes Phase 2. Task 11 Modelling the effects of different borehole sealing strategies on groundwater flow
February 2017	Sealing Site Investigation Boreholes - Phase 2 - Impact of gas

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February 2017	Sealing Site Investigation Boreholes: Phase 2. Task 5: Techniques used in the oil and gas industry for placing materials in boreholes
February 2017	Sealing Site Investigation Boreholes: Phase 2 - Stage 1 laboratory programme
March 2017	Geochemical modelling of the LCS experiment
March 2017	Methods for Management and Quantification of Uncertainty
March 2017	Methods for Management and Quantification of Uncertainty: Uncertainty Calibration Questionnaire
March 2017	Methods for Management and Quantification of Uncertainty: Uncertainty Quantifier tool
March 2017	Packaging of Damaged Spent Fuel
March 2017	Thematic Guidance on the management of Larger PCM Waste Items
March 2017	HAW Innovation and Delivery: Development of a Larger Waste Container - Implementation Plan for a Larger Robust Shielded Waste Container
March 2017	RWM03 027 Larger PCM Items: Note for the Record on the Main Options Evaluation Workshop to be held on 12th and 13th July 2016
March 2017	HAW Innovation and Delivery: Development of a Larger Waste Container - Integrated Test, Evaluation and Acceptance Plan Template and Guidance
March 2017	Geological Disposal - Review of Alternative Radioactive Waste Management Options
March 2017	The impact of the use of polycarboxylate ether superplasticisers for the packaging of low heat generating wastes on GDF post-closure safety
April 2017	Geological Disposal: Generic Environmental Assessment
April 2017	Geological Disposal: Generic Socio-economic Assessment
April 2017	Geological Disposal: Generic Health Impact Assessment
April 2017	The Likelihood of Criticality and the Credibility of Rapid Transient Criticality Following Geological Disposal of MOX, New Build, Metallic and Exotic Spent Fuel
April 2017	Understanding the long-term evolution of cement backfills: alteration of NRVB due to reaction with groundwater solutes
April 2017	Summary of the Output of an International Collaboration on Climate and Landscape Change Modelling and its Application to the UK
April 2017	Evolution of the British Landscape and its Implications for the Post-Closure Safety Assessment of a Geological Disposal Facility
April 2017	Understanding potential new types of waste packages within a geological disposal facility: the impact of vitrified ILW or DCICs on cementitious backfill
April 2017	Analysis of Epoxy Resin Samples Stored in an Irradiated Environment
April 2017	Uncertainties in a Screening Limit for the Rate of Gas Generation from an Intermediate-level Waste Package
April 2017	Screening Limit on the Rate of Gas Generation from Individual Intermediate-level Waste Packages
May 2017	Geological Disposal: Generic Carbon Footprint Analysis
July 2017	The Impacts of PVC Additives and Their Degradation Products on Radionuclide Behaviour
July 2017	FEBEX-DP - Geochemical Modelling of Iron-Bentonite Interactions
July 2017	Technical Advisory Panel Annual Report For year 2016 - 2017
August 2017	BGS-CR-16-053 - Coupled modelling of permafrost and groundwater. A case study approach -
August 2017	BGS-CR-16-144 - Geochemical Modelling of Permafrost Processes
August 2017	NDA/RWM/141 - Design Status Report
August 2017	Geological Disposal: overview of the generic Disposal System Safety Case
August 2017	Geological Disposal: generic Transport Safety Case main report

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August 2017	Geological Disposal: generic Operational Safety Case main report
August 2017	Geological Disposal: generic Environmental Safety Case main report
August 2017	Geological Disposal: generic Transport Safety Assessment
August 2017	Geological Disposal: Transport Package Safety
August 2017	Geological Disposal: generic Operational Safety Case Vol.1 Construction and Non-Radiological Safety Assessment
August 2017	Geological Disposal: generic Operational Safety Case Vol.2 Normal Operations Safety Assessment
August 2017	Geological Disposal: generic Operational Safety Case Vol.3 Accident Safety Assessment
August 2017	Geological Disposal: generic Operational Safety Case Vol.4 Criticality Safety Assessment
August 2017	Geological Disposal: generic Operational Environmental Safety Assessment
August 2017	Geological Disposal: generic Post-Closure Safety Assessment
August 2017	Geological Disposal: generic Environmental Assessment Report
August 2017	Geological Disposal: generic Socio-Economic Assessment Report
August 2017	Geological Disposal: generic Health Impact Assessment
August 2017	Geological Disposal: Disposal System Specification Part A - High Level Requirements
August 2017	Geological Disposal: Disposal System Specification Part B - Technical Specification
August 2017	Geological Disposal: 2013 Derived Inventory
August 2017	Geological Disposal: 2013 Derived Inventory Alternative Scenarios
August 2017	Geological Disposal: generic Transport System Designs
August 2017	Geological Disposal: generic Disposal Facility Designs
August 2017	Geological Disposal: Technical Background to the generic Disposal System Safety Case
August 2017	Geological Disposal: generic Disposal System Safety Case data report
August 2017	Geological Disposal: Safety Case Production and Management report
August 2017	Geological Disposal: Waste Packages and the Assessment of their Disposability
August 2017	Geological Disposal: Waste Package Evolution status report
August 2017	Geological Disposal: Engineered Barrier System status report
August 2017	Geological Disposal: Geosphere status report
August 2017	Geological Disposal: Biosphere status report
August 2017	Geological Disposal: Gas status report
August 2017	Geological Disposal: Behaviour of Radionuclides and Non-Radiological Species in Groundwater
August 2017	Geological Disposal: Waste Package Accident Performance status report
August 2017	Geological Disposal: Criticality Safety status report
November 2017	The impact of ionizing radiation on microbial cells pertinent to the geological disposal of radioactive waste
November 2017	FEBEX-DP: THM modelling
December 2017	Managing voidage in a GDF - Towards a methodology for evaluating voidage in waste packaging proposals
December 2017	Geological Disposal - Overview of International Siting Processes 2017
March 2018	Demonstrating the Criticality Safety of Spent Fuel Disposal
March 2018	Review of Burn-up Credit Applications in Criticality Safety Assessments for Spent Fuel Management and Disposal
March 2018	RWM Coupled processes project - First annual report for DECOVALEX-2019
March 2018	Development of a conceptual design of a MPC for PWR Spent Fuel Task 1: Development of an outline system within which the MPCs operate

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March 2018	Development of a conceptual design of a MPC for PWR Spent Fuel Task 2: Development of a Design Specification
March 2018	Development of a conceptual design for a MPC for Legacy PWR Spent Fuel Task 3: Conceptual Design Report
March 2018	Development of a conceptual design for a MPC for Legacy AGR SF Task 4: Conceptual Design Report
March 2018	Development of a conceptual design of a MPC for Legacy AGR Spent Fuel Task 4-1: Development of a Design Specification for Legacy AGR SF
March 2018	Development of a conceptual design for a MPC for Legacy HLW Task 5: Conceptual Design Report
March 2018	Development of a conceptual design of a MPC for Legacy HLW Task 5-1: Development of a Design Specification for Legacy HLW
June 2018	Sealing deep site investigation boreholes: Phase 2. Final Report
June 2018	Further Studies to Underpin the Use of PCE Superplasticisers in the Packaging of Low-heat-generating Wastes. Update on the effects of radiolysis products on sorption and solubility.
July 2018	Sealing site investigation boreholes Phase 2: Task 9 - Development of a QA_QC methodology for borehole sealing
July 2018	Sealing site investigation boreholes Phase 2: Support elements
July 2018	Sealing deep site investigation boreholes Phase 2: Stage 2 laboratory programme
July 2018	Sealing site investigation boreholes Phase 2: The use of natural, industrial and archaeological analogues in support of the borehole sealing project
July 2018	Sealing site investigation boreholes Phase 2: Aspects of long-term performance of borehole seals in halite
July 2018	Sealing site investigation boreholes Phase 2: Task 13- Evolution of the borehole damage zone
July 2018	Sealing site investigation boreholes Phase 2: Aspects of the evolution and longevity of bentonite seals
August 2018	UK Halite Deposits - Structure, Stratigraphy, Properties and Post-closure Performance
September 2018	Sustainable Design Objectives for a Geological Disposal Facility
September 2018	Review of health pathways and outcomes
September 2018	Entombment and Voidage Related Packaging Proposals and Underpinning Information
November 2018	Modelling of the Prototype Repository experiment at the Aspo Hard Rock Laboratory: Part of the Aspo Engineered Barrier Systems Task Force
December 2018	Geological Disposal: High Heat Generating Wastes Project - Final Report
December 2018	Concept Development: Disposal Concepts for Multi-Purpose Containers
December 2018	Concept Development: Vaults for High-Heat-Generating Wastes
December 2018	Concept Development: Vaults for High Heat Generating Waste - Identification of the thermal impact of waste containers in a vault of HHGW and consequences for spacing and decay storage
December 2018	Concept Development: Mined Borehole Matrices for High Heat Generating Wastes
December 2018	Concept Development: Thermal Investigations of a Mined Borehole Matrix Concept for the Disposal of Spent Fuel and High-Level Waste
December 2018	Concept Development: Co-location and Multi-level Disposal Concepts
December 2018	Concept Development: Silos for Low Heat Generating Waste
December 2018	Concept Development: Supercontainers
January 2019	Technology Transfer: Identification and Quantification of Potential Benefits - Geologic Disposal Programme in Germany

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January 2019	Concept Development: Disposal Concepts for Plutonium Residues
January 2019	Concept Development: Disposal Concepts for Exotic Spent Fuel - Executive Summary
January 2019	Concept Development: Disposal Concepts for Metallic Fuels
January 2019	Concept Development: Disposal Concepts for Highly Enriched Uranium
January 2019	Geological Disposal: Concept Selection Process
January 2019	Concept Development: Post-closure Performance Assessment Models to Support the Concept Selection Process
January 2019	Geological Disposal: Concept Status Report
May 2019	Review of thermodynamic data for radionuclides / non-radiological species and organics: Additional Data Selection
May 2019	Review of the Durability of Concretes for ILW Containers and HLW/SF Buffers
May 2019	RWM Marine Biosphere Model: Review of Environmental Change and Sensitivity Study
May 2019	Rates of steel corrosion and carbon-14 release from irradiated steels - state of the art review
May 2019	Development of a Total System Model for Non-Radiological Pollutants in a GDF
May 2019	Geochemical modeling of Nirex Reference Vault Backfill (NRVB) Long Term Leaching Trial
May 2019	Thermal modeling of low-heat-generating waste disposal areas
May 2019	Further Studies of Carbon-14 Release from Oldbury Graphite
May 2019	The Credibility of Post-closure Criticality: Considerations for MOX Spent Fuel and Wastes Containing Uranium-233 at Disposal or from Ingrowth
May 2019	Release of C-14 and H-3 from corrosion of irradiated Magnox and aluminium in sodium hydroxide solution
May 2019	Measurements of Carbon-14 Release from Oldbury Graphite. Effects of Change in Redox
May 2019	Low Heat Generating Waste (LHGW) Package Stacking Forward Action Plan Workshop
May 2019	Resolution of the 2016 Generic Operational Safety Case Forward Action Plan Items: Faults relating to DCTC Handling in the Underground Environment
May 2019	Resolution of the 2016 Generic OSC Forward Action Plan Items Areas of the GDF where access for maintenance could be required
May 2019	GDF Vault, Tunnel and Shaft enhancements - Task 1: Underground Transfer
May 2019	GDF Vault, Tunnel and Shaft enhancements - Task 3: Consideration of rails in evaporite rock
June 2019	Task Force on Engineered Barrier Systems: Code Comparison and Sensitivity Analysis
June 2019	Construction Materials Phase 2: Post-closure impacts of construction materials
July 2019	RWM Coupled processes project - Second annual report for DECOVALEX-2019
July 2019	Physical, Chemical and Radiological Properties of Carbide, Metallic, Mixed Oxide, and Unconventional Oxide Fuels: Final Report
July 2019	Physical, Chemical and Radiological Properties of Carbide, Metallic, Mixed Oxide, and Unconventional Oxide Fuels: Appendix E
July 2019	Geological Disposal Facility HAZID (Fire) Transport and Disposal packages
July 2019	Development and Application of a Methodology for Identifying and Characterising Scenarios
July 2019	Overview of the FEP Analysis Approach to Model Development
July 2019	Conceptual Basis of the Master Directed Diagram

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July 2019	Overview Description of the Base Scenario Derived from FEP Analysis
July 2019	Modelling Requirements for Future Assessments Based on FEP Analysis
August 2019	Bulkhead Feasibility Study & Concept Identification
August 2019	Concept Design of the Disposal Container Transport Container (DCTC) - Summary Report
August 2019	Compatibility Assessment of the Disposal Container Transport Container (DCTC) against the 2013 Inventory
August 2019	Feasibility studies for the design of disposal vaults for multi-purpose containers (MPCs) - Review of GDF Backfill Emplacement Technology Options
August 2019	Feasibility studies for the design of disposal vaults for multi-purpose containers (MPCs) - Feasibility to construct, operate, ventilate and manage heat from MPC vaults
August 2019	Assessment of the current GDF to withstand loss of off-site power
August 2019	Geological Disposal: GDF Fire Suppression and Consequence Management Study
August 2019	Review of the GDF Designs vs the NEA retrievability scale
August 2019	Identification of route availability for transport of radioactive waste to a GDF
August 2019	Evaluation of the suitability of a mole system for a GDF
August 2019	Conceptual design of the nuclear ventilation for a GDF
October 2019	Knowledge Transfer - WIPP Repository Programme and Geologic Disposal of High Heat Generating Waste is Salt/ Evaporite Formation
October 2019	Stillage Value Engineering and Cost Estimate Exercise
October 2019	State of Knowledge Review of Groundwater Movement and Groundwater Chemistry Research
January 2020	Effects of Ionising Radiation on Engineered Barrier System Performance
January 2020	Gas Migration Experimentation
March 2020	RWM Coupled Processes Project Third Annual Report for DECOVALEX-2019
March 2020	Knowledge Status on Uranium Hydride
March 2020	Backfill Development Integrated Project: Roadmap
March 2020	Potential effects of polymer encapsulants in a geological disposal facility
March 2020	Initial Identification of Potential Treatment Opportunities for Higher Activity Wastes and Problematic Wastes - Summary Report
March 2020	Investigating the thermo-hydro-mechanical evolution of a UK geological disposal facility due to disposal of high-heat-generating wastes
April 2020	Summary Report: RWM' approach to environmental and sustainability assessment
April 2020	Solute Transport through Saturated, Compacted Bentonite - Theoretical Considerations and the Development of a Prototype Software Tool
June 2020	Criticality Safety for the Disposal of Spent Fuel in UK Disposal Containers
June 2020	RWM Coupled Processes Project Final Report for DECOVALEX-2019
June 2020	Induced Seismicity: Potential Likelihood and Possible Consequences
August 2020	Generic CSA for LHGW in Shielded Containers
August 2020	GDF Pre-closure to Post-closure Waste-derived Gas Generation and Migration
October 2020	Review of Criticality Accident Alarm System Requirements with Relevance to the United Kingdom Geological Disposal Facility
November 2020	Further Modelling of Non-Radiological Pollutants in a GDF
November 2020	Potential for fractured higher strength rocks to take up radionuclides from groundwater: Final report
November 2020	The Effects of Steam on Bentonite: Literature Review and Gap Analysis

Date Published	Title
November 2020	Review of understanding of gas generation and recommendations for updating its treatment in assessments



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