

## 8 REFERENCES

- AEC (2000): Long-term Program for Research, Development, and Utilization of Nuclear Energy (in Japanese).
- ANDRA (2001): DOSSIER 2001 ARGILE, Progress Report on Feasibility Studies & Research into Deep Geological Disposal of High-Level, Long-Lived Waste, Synthesis Report, December 2001, ANDRA, Châtenay-Malabry Cedex France.
- Apted, M.J. (1998): A Modest Proposal: A Robust, Cost-Effective Design for High-Level Waste Packages, Materials Research Society Symp. Proc. Vol.506, pp. 589-596.
- Deutch, J. (Co-Chair), Moniz, E.J. (Co-Chair), Ansolabehere, S., Driscoll, M., Gray, P.E., Holdren, J.P., Joskow, P.L., Lester, R.K. and Todreas, N.E. (2003): The Future of Nuclear Power, An Interdisciplinary MIT Study, Massachusetts Institute of Technology, Cambridge MA USA.
- Gierszewski, P.J., Russell, S.B., Garisto, F., Jenson, M.R., Kempe, T.F., Maak, P. and Simmons, G.R. (2001): Deep Geologic Repository Technology Program - Annual Report 2000, Report No: 06819 - REP - 01200 - 10055 - R00, Ontario Power Generation Inc., Toronto ON Canada.
- IAEA (2001): Monitoring of Geological Repositories for High Level Radioactive Waste, IAEA-TECDOC-1208, International Atomic Energy Agency, Vienna Austria.
- IAEA (2003): Radioactive Waste Management Glossary, 2003 Edition, International Atomic Energy Agency, Vienna Austria.
- Ichikawa, Y., Kawamura, K., Nakano, M., Kitayama, K. and Kawamura, H. (1999): Unified molecular dynamics and homogenization analysis for bentonite behavior: current results and future possibilities, Engineering Geology 54, pp. 21-31.
- JNC (2000): H12 Project to Establish the Scientific and Technical Basis for HLW Disposal in Japan, Project Overview Report, 2<sup>nd</sup> Progress Report on Research and Development for the Geological Disposal of HLW in Japan, JNC Technical Report TN1410 2000-001, Japan Nuclear Cycle Development Institute, Tokai-mura Japan.
- Lindgren, E., Pettersson, S. and Salo, J.-P. (2003): R&D program for Horizontal Emplacement KBS-3H, Proc. of 10<sup>th</sup> International High-Level Radioactive Waste Management Conference (IHLRWM 2003), pp.571 - 577, 30 March - 2 April 2003, Las Vegas NV USA.
- Makino, H., Sawada, A., Wakasugi, K., Kato, T., Miyahara, K. and Uchida, M. (2002): Results from Synthesis of Calculation Cases Illustrating Overall System Performance in the Safety Assessment in H12 Report, JNC Technical Report JNC TN8450 2001-012, Japan Nuclear Cycle Development Institute, Tokai-mura Japan (in Japanese).
- Masuda, R., Asano, H., Kosuge, K., Takao, H. and Yoshida, T. (2004): Remote Handling Operation Technique for High-level Radioactive Waste Repository - Investigation and Performance Test for Several Different Emplacement Concepts -, Proc. WM'04 Conference, 29 February - 4 March 2004, Tucson AZ USA.
- McKinley, I.G. and Umeki, H. (2004): Deep Geological Disposal of High-level Radioactive Waste -Turning up the Heat, Joint AOGS 1<sup>st</sup> Annual Meeting & 2<sup>nd</sup> APHW Conference, 5-9 July 2004, Singapore.
- McKinley, I.G., Neall, F.B., Kawamura, H. and Umeki, H. (2004a): Geochemical Optimisation of a Prefabricated Disposal System for High-level Radioactive Waste. J. Geochemical Exploration (in press).
- McKinley, I.G., Alexander, W.R., Kickmaier, W. and Neall, F.B. (2004b): The cement/bentonite interaction problem: cutting the Gordian knot, NUMO / Posiva International Workshop on Bentonite-Cement Interaction in Repository Environments, 14-16 April 2004, Tokyo Japan.

- MITI (2000a): Basic Policy for Specified Radioactive Waste, MITI's Notification No.591 (in Japanese).
- MITI (2000b): Final Disposal Plan for Specified Radioactive Waste, MITI's Notification No.592 (in Japanese).
- Nagra (1994): Kristallin-I, Safety Assessment Report, Nagra Technical Report NTB 93-22, National Cooperative for the Disposal of Radioactive Waste, Wettingen Switzerland.
- Nagra (2002): Project Opalinus Clay, Safety Report, Demonstration of Disposal Feasibility for Spent Fuel, Vitrified High-level Waste and Long-lived Intermediate-level Waste (Entsorgungsnachweis), Nagra Technical Report NTB 02-05, National Cooperative for the Disposal of Radioactive Waste, Wettingen Switzerland.
- NEA (1997): Safety Assessment of Radioactive Waste Repositories - Systematic Approaches to Scenario Development - An International Database of Features, Events and Processes. Draft Report (24/6/1997) of the NEA Working Group on Development of a Database of Features, Events and Processes Relevant to the Assessment of Post-Closure Safety of Radioactive Waste Repositories, OECD/Nuclear Energy Agency, Paris France.
- NEA (1999a): Confidence in the Long-term Safety of Deep Geological Repositories, Its Development and Communication, OECD/Nuclear Energy Agency, Paris France.
- NEA (1999b): OECD/NEA International Peer Review of the Main Report of JNC's H12 Project to Establish the Scientific and Technical Basis for HLW Disposal in Japan, International Peer Reviews, Report of the OECD Nuclear Energy Agency International Review Group, NEA/RWM/PEER(99)2, OECD/Nuclear Energy Agency, Paris France.
- NEA (2004): Engineered Barrier Systems (EBS): Design Requirements and Constraints, Workshop Proceedings, Turku, Finland, 26-29 August 2003, In co-operation with the European Commission and hosted by Posiva Oy, OECD/Nuclear Energy Agency, Paris France.
- NUMO (2004): Evaluating Site Suitability for a HLW Repository, Scientific Background and Practical Application of NUMO's Siting Factors, NUMO Technical Report NUMO-TR-04-04, Nuclear Waste Management Organization of Japan, Tokyo Japan.
- NUMO and Posiva (2004): International Workshop on Bentonite-Cement Interaction in Repository Environments, Summary Overview, 14-16 April 2004, Tokyo Japan (in press).
- ONDRAF/NIRAS (2001): SAFIR2, Safety Assessment and Feasibility Interim Report 2, NIROND 2001-06E, Brussels Belgium.
- Posiva (1999): The Final Disposal Facility for Spent Nuclear Fuel - Environmental Impact Assessment Report, Posiva Oy, Helsinki Finland.
- RWMC (1998): Radioactive Waste Data-book, Radioactive Waste Management Center, Tokyo Japan.
- RWMC (2004): Development of Remote Operation Technology for HLW Repository, FY2003 study, Radioactive Waste Management Funding and Research Center, Tokyo Japan.
- SKB (1986): R&D-PROGRAMME 86, Parts I-III, Handling and Final Disposal of Nuclear Waste, Programme for Research Development and Other Measures, Swedish Nuclear Fuel and Waste Management Co., Stockholm Sweden.
- SKB (1992): Project on alternative system study (PASS), Final report, SKB Technical Report TR 99-08, Swedish Nuclear Fuel and Waste Management Co., Stockholm Sweden.
- SKB (1999): SR 97 - Post-closure safety, SKB Technical Report TR 99-06, Swedish Nuclear Fuel and Waste Management Co., Stockholm Sweden.
- SKB (2001): RD&D-Programme 2001, Programme for Research, Development and Demonstration of Methods for the Management and Disposal of Nuclear Waste, SKB Technical Report TR 01-30, Swedish Nuclear Fuel and Waste Management Co., Stockholm Sweden.

- STA (1988): Notification No.20, amended on 26 December 2000 (in Japanese).
- Toyota, M. and McKinley, I.G. (1998): Optimization of the Engineered Barrier System, Fabrication and Emplacement for Vitrified HLW, Proc. of 8th International Conference on High-Level Radioactive Waste Management, 11-14 May 1998, Las Vegas NV USA.
- Ueda, H., Umeki, H., Konishi, T., Naito, M. and Danda, H. (2004): Design Factors for Filtering HLW Repository Concepts, Proceedings of Disposal Technologies and Concepts (DisTec) 2004, 26-28 April 2004, Berlin Germany.
- Umeki, H., Ueda, H., Naito, M., Konishi, T. and Danda, H. (2003): The NUMO Approach for Development of Repository Concepts, Proc. of 10th International High-Level Radioactive Waste Management Conference (IHLRWM 2003), pp.1019 - 1024, 30 March - 2 April 2003, Las Vegas NV USA.
- U.S. DOE (2002): Yucca Mountain Science and Engineering Report Rev.1, Technical Information Supporting Site Recommendation Consideration, DOE/RW-0539-1, U.S. Department of Energy, Office of Civilian Radioactive Waste Management, Washington DC USA.

