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Radioactive Waste In Geologic Storage Acs Symposium Series 100:

Rationale for Geologic Isolation of High-level Radioactive Waste, and Assessment of the Suitability of Crystalline Rocks Harry Wynn Smedes,1980 **Hydrologic and Geologic Aspects of Waste Management and Disposal** Elinor H. Handman,1983 *Scientific Basis for Nuclear Waste Management* Clyde J. Northrup,2013-12-19 The Symposium on the Scientific Basis for Nuclear Waste Management was held in the fall of 1979 in Boston Massachusetts and was one of a number of symposia included in the Annual Meeting of the Materials Research Society The thrust of this annual Symposium is unique in the area of waste management Recognizing that this is an area of great complexity which requires contributions from scientists with many different backgrounds some of which are not normally associated with nuclear energy the Materials Research Society provides a forum for discussions of a wide range of materials behavior and transport phenomena As can be seen from the list of references in each paper the authors draw heavily on contributions associated with professional societies in addition to the Materials Research Society and this annual meeting encourages the cross fertilization between disciplines that are essential to an adequate treatment of the problems associated with nuclear waste management The proceedings of the first Symposium that was held in 1978 was designated as Volume 1 in this series The third Symposium is scheduled for 1980 The scope of the 1979 Symposium was guided by the Steering Committee R L Schwoebel Sandia Laboratories USA Chairman W Carbiener Battelle Memorial Institute Columbus USA D Ferguson Oak Ridge National Laboratory USA W Heimerl DWK Mol Belgium W Lutze Hahn Meitner Institut Berlin W Germany J D Mather Institute of Geological Sciences Harwell UK G Oertel Department of Energy USA R Status of Technology for Isolating High-level Radioactive Wastes in Geologic Repositories Cyrus Klingsberg,1980 *An Annotated Bibliography for the Design of Waste Packages for Geologic Disposal of Spent Fuel and High-level Waste* K. J. Wurm,1982 *In the Matter of Proposed Rulemaking on the Storage and Disposal of Nuclear Waste* United States. Department of Energy,1980 **Geological Survey Circular** ,1989 Guidelines for the Development and Testing of NWTs Waste Package Materials ,1982

Science and Technology for Disposal of Radioactive Tank Wastes Wallace W. Shulz,Nicholas J. Lombardo,2013-11-11 Radioactive wastes resulting from over 40 years of production of nuclear weapons in the U S are currently stored in 273 underground tanks at the U S Department of Energy Hanford site Idaho National Engineering and Environmental Laboratory Oak Ridge Reservation and Savannah River site Combined tanks at these sites contain approximately 94 000 000 gallons of waste in a variety of forms including liquid concrete like salt cake and various sludges More than 730 000 000 curies of several radioactive isotopes are present in the underground tanks Certainly one of the greatest challenges facing the U S Department of Energy is how to characterize retrieve treat and immobilize the great variety of tank wastes in a safe timely and cost effective manner For several years now the U S Department of Energy has initiated and sponsored scientific and engineering studies tests and demonstrations to develop the myriad of technologies

required to dispose of the radioactive tank wastes In recent times much of the Department of Energy R responsibility for technical operations of the TF A has been assigned to the Pacific Northwest National Laboratory **Radionuclide Migration/retardation** Judith B. Moody,1982 U.S. Geological Survey Circular ,1983 **Waste Package Materials Screening and Selection** ,1982 **Advances in Energy Systems and Technology** Peter Auer,2013-10-22 Advances in Energy Systems and Technology Volume 3 present articles that provides a critical review of specific topics within the general field of energy It discusses the energy conservation in transportation It addresses all modes of transportation in its discussion Some of the topics covered in the book are the role of natural gas in domestic energy supplies the tight gas formation Devonian gas resources and the theory of gas flow in porous media a review of gas production mechanism and the estimates of economically recoverable gas The analysis of the methane from coal seams is covered The technology and economics of geopressed energy production is discussed The text describes the geopressed aquifers The Mexican gas imports are presented A chapter is devoted to the production of synthetic gas Another section focuses on the conversion of methane from coalbeds and the effect of gas porosity The book can provide useful information to scientists engineers students and researchers **Basalt Waste Isolation Project, Hanford Site Characterization Report** ,1982 *Coastal and Shelf Sediment Transport* Peter S. Balson,M. B. Collins,2007 This volume provides a timely review of a representative selection of the different approaches undertaken for coastal and shelf investigations operating at a variety of temporal and spatial scales within different regions of the UK European continental shelf and elsewhere Environmental Assessment ,1986 Volume 1 Chapters 1 5 Volume 2 Chapters 6 Appendix B Volume 3 Appendix C *Principles and Applications of Geochemistry* Gunter Faure,1998 Intended as an introduction to Geochemistry for Geology majors in their senior year or first year of graduate work Designed to show students how to use chemical principles in solving geological problems this text emphasizes a quantitative approach to problem solving and demonstrates how chemical principles control geologic processes in atomic and large scale environments US Spent Fuel Policy ,1980 **A Geology for Engineers** F.G.H. Blyth,Michael de Freitas,2017-12-21 No engineering structure can be built on the ground or within it without the influence of geology being experienced by the engineer Yet geology is an ancillary subject to students of engineering and it is therefore essential that their training is supported by a concise reliable and usable text on geology and its relationship to engineering In this book all the fundamental aspects of geology are described and explained but within the limits thought suitable for engineers It describes the structure of the earth and the operation of its internal processes together with the geological processes that shape the earth and produce its rocks and soils It also details the commonly occurring types of rock and soil and many types of geological structure and geological maps Care has been taken to focus on the relationship between geology and geomechanics so emphasis has been placed on the geological processes that bear directly upon the composition structure and mechanics of soil and rocks and on the movement of groundwater The descriptions of geological processes and their

products are used as the basis for explaining why it is important to investigate the ground and to show how the investigations may be conducted at ground level and underground Specific instruction is provided on the relationship between geology and many common activities undertaken when engineering in rock and soil Environmental Research on Actinide Elements
,1987

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