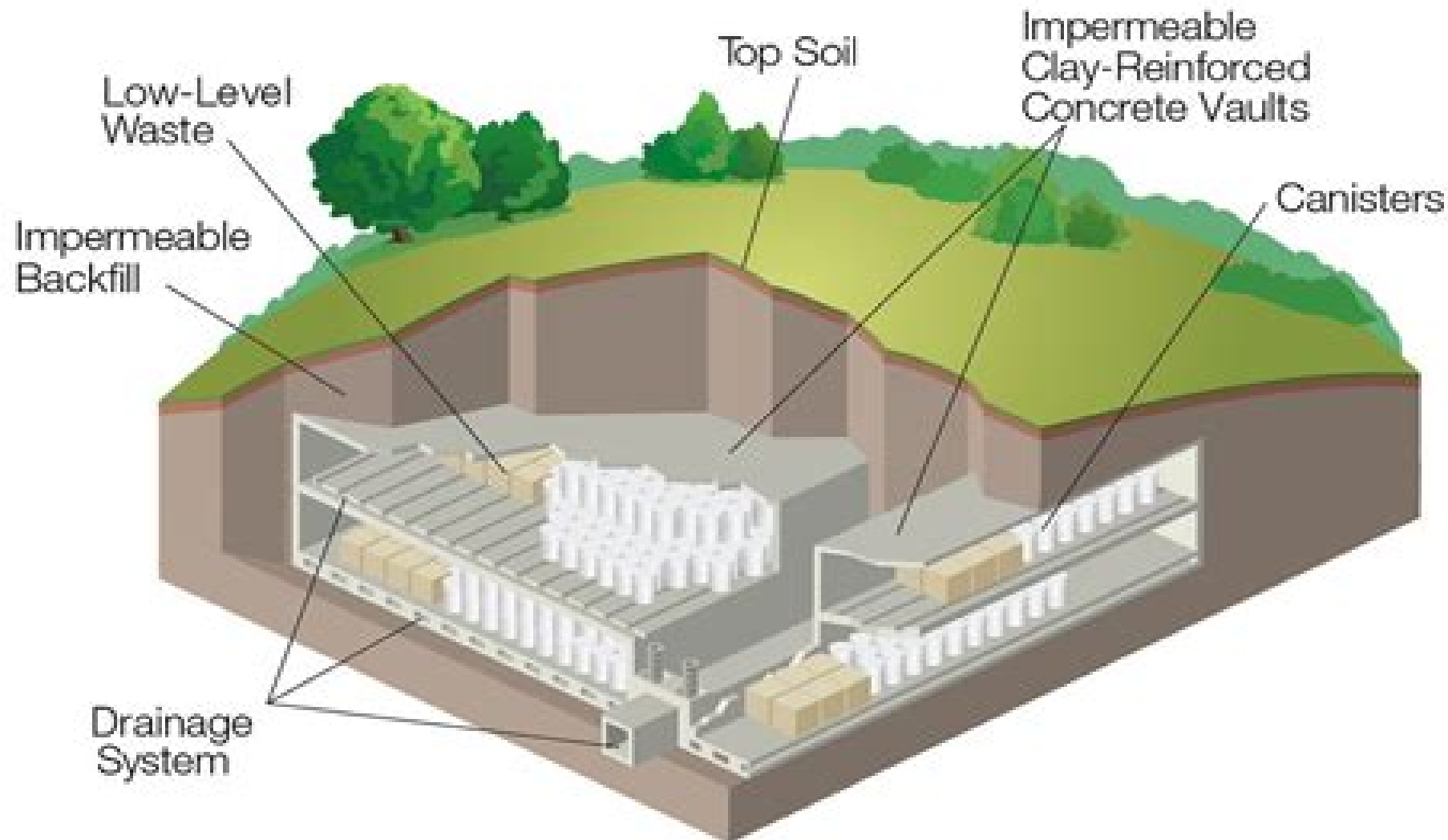


Low-Level Radioactive Waste Disposal



This LLW disposal site accepts waste from States participating in a regional disposal agreement.

Low Level Radioactive Wastes

**National Research Council, Commission
on Geosciences, Environment and
Resources, Committee to Review New
York State's Siting and Methodology
Selection for Low-Level Radioactive
Waste Disposal**

Low Level Radioactive Wastes:

Improving the Regulation and Management of Low-Activity Radioactive Wastes National Research Council, Division on Earth and Life Studies, Board on Radioactive Waste Management, Committee on Improving Practices for Regulating and Managing Low-Activity Radioactive Wastes, 2003-10-14 Low activity radioactive wastes include a broad spectrum of materials for which a regulatory patchwork has evolved over almost 60 years These wastes present less of a radiation hazard than either spent nuclear fuel or high level radioactive waste Low activity wastes however may produce potential radiation exposure at well above background levels and if not properly controlled may represent a significant chronic and in some cases an acute hazard For some low activity wastes the present system of controls may be overly restrictive but it may result in the neglect of others that pose an equal or higher risk The purpose of this interim report is to provide an overview of current low activity waste regulations and management practices Improving the Regulation and Management of Low Activity Radioactive Wastes Interim Report on Current Regulations Inventories and Practices identifies gaps and inconsistencies that suggest areas for improvements The final report will assess options for improving the current practices and provide recommendations

Low-Level Radioactive Waste Management and Disposition National Academies of Sciences, Engineering, and Medicine, Division on Earth and Life Studies, Nuclear and Radiation Studies Board, Planning Committee on Low-Level Radioactive Waste Management and Disposition: A Workshop, 2017-07-05 The Department of Energy's Office of Environmental Management DOE is responsible for the safe cleanup of sites used for nuclear weapons development and government sponsored nuclear energy research Low level radioactive waste LLW is the most volumetrically significant waste stream generated by the DOE cleanup program LLW is also generated through commercial activities such as nuclear power plant operations and medical treatments The laws and regulations related to the disposal of LLW in the United States have evolved over time and across agencies and states resulting in a complex regulatory structure DOE asked the National Academies of Sciences Engineering and Medicine to organize a workshop to discuss approaches for the management and disposition of LLW Participants explored the key physical chemical and radiological characteristics of low level waste that govern its safe and secure management and disposal in aggregate and in individual waste streams and how key characteristics of low level waste are incorporated into standards orders and regulations that govern the management and disposal of LLW in the United States and in other major waste producing countries This publication summarizes the presentations and discussions from the workshop

The Impact of Low-Level Radioactive Waste Management Policy on Biomedical Research in the United States National Research Council, Commission on Life Sciences, Board on Radiation Effects Research, Committee on the Impact of Low-Level Radioactive Waste Management Policy on Biomedical Research in the United States, 2001-02-09 The National Research Council's Committee on the Impact of Low Level Radioactive Waste Management Policy on Biomedical Research in the United States was called on to assess the effects

of the low level radioactive waste management policy on the current and future activities of biomedical research This report provides an assessment of the effects of the current management policy for low level radioactive waste LLRW and resulting consequences such as higher LLRW disposal costs and onsite storage of LLRW on the current and future activities of biomedical research That assessment will include evaluating the effects that the lack of facilities and disposal capacity and rules of disposal facilities have on institutions conducting medical and biological research and on hospitals where radioisotopes are used for the diagnosis and treatment of disease

Review of New York State Low-Level Radioactive Waste Siting Process National Research Council, Commission on Geosciences, Environment and Resources, Committee to Review New York State's Siting and Methodology Selection for Low-Level Radioactive Waste Disposal, 1996-07-30 This book reviews the efforts of New York state to site a low level radioactive waste disposal facility It evaluates the nature sources and quality of the data analyses and procedures used by the New York State Siting Commission in its decisionmaking process which identified five potential sites for low level waste disposal Finally the committee offers a chapter highlighting the lessons in siting low level radioactive waste facilities that can be learned from New York State's experience

The Texas Low-level Radioactive Waste Disposal Compact United States. Congress. House. Committee on Commerce. Subcommittee on Energy and Power, 1995

Low-Level Radioactive Waste Regulation-Science, Politics and Fear Michael Burns, 1987-12-01 A crisis awaits the states without adequate Low Level Radioactive Waste LLRW disposal capacity and states now struggling to comply with U S National Policy widely believed unworkable Some states may find that they are unable to dispose of the LLRW they generate Long underestimated or politically boondoggled the dread subject of LLRW disposal is now being brought to climax amidst conflicting viewpoints from generators regulators environmentalists and the public from medical clinical labs nuclear power plants state and federal agencies scientists and engineers consultants attorneys This book emphasizes siting disposal historical approach to radwaste regulation public attitudes and NIMBY AND deals comprehensively with radiation biological effects risk assessment public health protection and government regulation safety of LLRW biological effects and attempts to develop solutions to this pervasive problem This text is essential to those likely to find themselves engulfed by LLRW problem scientists engineers managers in many companies and institutions consultants and of course Government Agency Officials public interest groups technical social science law and public libraries There is no easy solution but there will be a solution And we believe this book is part of that solution Expert authors provide chapters carefully researched and written for this book and provide their personal and professional experiences This book is certainly a step toward understanding and solving the LLRW problem

Nuclear Waste United States. General Accounting Office, 1992

Facts & Figures Michigan Low-Level Radioactive Waste Authority, 1990

Report of the Task Force on Low-Level Radioactive Waste United States. Task Force on Low-Level Radioactive Waste, 1981

Low-level Radioactive Waste Edward L. Gershey, 1990

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White Foster, James Bennett Reed, 1994 Low-level Radioactive Waste Management in Texas Texas Low-Level Radioactive Waste Disposal Authority, 1998* *Low-level Radioactive Wastes* Conrad P. Straub, 1964 **Report of the Task Force on Low-Level Radioactive Waste** U.S. Radiation Policy Council. Task Force on Low-Level Radioactive Waste, 1980 *Geologic and Hydrologic Considerations in the Disposal of Low-level Radioactive Wastes* Nenad Spoljaric, 1983 *Low-level Radioactive Waste Disposal in Texas* Texas Low-Level Radioactive Waste Disposal Authority, 1984* *Low-Level Radioactive Waste Management* Gene Aloise, 2007-08

There have been reports on limitations in the mgmt of U S low level radioactive waste LLRW To identify potential approaches to overcome these limitations the author examined the extent to which other countries have LLRW inventory databases timely removal of higher activity LLRW from waste generator sites disposition options for all LLRW requirements that LLRW generators have financial reserves to cover waste disposition costs as well as any other approaches that might improve U S LLRW mgmt The author surveyed 18 countries representing leading LLRW generators to identify their mgmt approaches to compare them with U S survey results with approaches by LLRW generators disposal operators regulators in the U S Ill **Low-level Radioactive Wastes** Conrad P. Straub, U.S. Atomic Energy Commission, 1964 Preliminary Study on the Disposal of Low Level Radioactive Waste Generated in Illinois Illinois Commission on Atomic Energy. Ad-Hoc Committee on Low Level Radioactive Waste, 1980 *Siting Low-Level Radioactive Waste Disposal Facilities* Mary R. English, 1992-06-16

Many lament the difficulty of siting hazardous waste facilities that are intended to benefit the public at large but are locally unwanted Many label local opposition as purely self interested as simply a function of the NIMBY Not In My Backyard syndrome Drawing upon the experience of states trying to site new low level radioactive waste disposal facilities Mary English argues that we need to think harder and look deeper to understand and possibly solve the siting dilemma The 1980 Low Level Radioactive Waste Policy Act ushered in a new era in low level radioactive waste disposal one of vastly increased state responsibility By a 1985 amendment states were given until January 1993 to develop a new system of disposal facilities English reviews the progress they have made focusing on one difficulty that of finding technically and socially acceptable sites She then turns to issues concerning authority trust risk and justice that help to shape the siting dilemma This book is made highly readable by vivid examples drawn from recent efforts to site low level waste disposal facilities The volume will be a helpful resource to those in the public and private sectors who are immediately concerned with the siting of radioactive waste disposal facilities hazardous waste facilities solid waste landfills incinerators etc as well as social scientists who are studying this problem

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