Waste Management Application Online

Plastics Waste Management
Zero Waste: Management Practices for Environmental Sustainability
Engineering Tools for Environmental Risk Management
Improving the Characterization and Treatment of Radioactive Wastes for the Department of Energy's Accelerated Site Cleanup Program
Alternative High-Level Waste Treatments at the Idaho National Engineering and Environmental Laboratory
Risk and Decisions About Disposition of Transuranic and High-Level Radioactive Waste
Recycled Materials and by Products in Highway Applications
Integrated Solid Waste Management: A Lifecycle Inventory
Waste Treatment and Disposal
Solid Waste Technology and Management, 2 Volume Set
Worldwide Advances in Radioactive Waste Management (Online)
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Waste Management: Concepts, Methodologies, Tools, and Applications
Sustainable Solid Waste Management
Solid waste management in Punjab State (India)
Sustainable Solid Waste Management
Concepts of Advanced Zero Waste Tools
Sustainable Solid Waste Management
Improving Project Management in the Department of Energy
An Online Collection of Technical Guidance Documents on Solid Waste Management and Disposal Provided by the Kansas Department of Health and Environment, Bureau of Waste

Management, 1997-2015
Managing Electronic Waste
Waste Management in the Chemical and Petroleum Industries
Waste Management in the Fashion and Textile Industries
An Online Collection of Information on Solid Waste Disposal by Kansas Department of Health and Environment, Bureau of Waste Management, 2010-2015
Research Reactor Aluminum Spent Fuel

DANIELA DARIEN

Plastics Waste Management National Academies Press
The Department of Energy's Environmental Management Program (DOEEM) is one of the largest environmental clean up efforts in world history. The EM division charged with developing or finding technologies to accomplish this massive task, its Office of Science and Technology (OST), has been reviewed extensively, including six reports from committees of the National Research Council's (NRC's) Board on Radioactive Waste Management (BRWM) that have been released since December 1998. These committees examined different components of OST's technology development program, including its decision-making and peer

review processes and its efforts to develop technologies in the areas of decontamination and decommissioning, waste forms for mixed waste, tank waste, and subsurface contamination. Gerald Boyd, head of OST, asked the Board on Radioactive Waste Management (BRWM) to summarize the major findings and recommendations of the six reports and synthesize any common issues into a number of overarching recommendations.
Zero Waste: Management Practices for Environmental Sustainability National Academies Press
Printbegrænsninger: Der kan printes 10 sider ad gangen og max. 40 sider pr. session.
Engineering Tools for Environmental Risk Management Springer
About 155,000 cubic meters of waste contaminated with both radioactive isotopes and hazardous chemicals are stored at some 30 DOE sites, and another 450,000 cubic meters are buried. While DOE is making a concerted effort to properly dispose of this waste, the amount translates to a multi-decade effort that will require handling, characterizing, and shipping hundreds of thousands of waste containers at a total cost of billions of dollars. This report describes basic scientific research that can lead to new technologies for performing these tasks more safely and cost

effectively.

Improving the Characterization and Treatment of Radioactive Wastes for the Department of Energy's Accelerated Site Cleanup Program Transportation Research Board

This book compiles many different treatment options and best practices for the treatment and recycling of municipal solid waste from all over the globe, factoring in cost-effectiveness, sanitation, and environmental degradation. Important to professors, researchers, students, policymakers, and municipal offices, this informed book looks into innovative waste management systems from a number of developing countries, which may prove useful to developed countries of the world as well. This book is unique in that it focuses on state-of-the-art urban solid waste management and future trends.

Alternative High-Level Waste Treatments at the Idaho National Engineering and Environmental Laboratory National Academies Press

A set of 11 documents provided by the Bureau of Waste Management of the Kansas Department of Health and Environment with resources and information on solid waste disposal.

Risk and Decisions About Disposition of Transuranic and High-Level Radioactive Waste John Wiley & Sons

The U.S. Department of

Energy has been at the center of many of the greatest achievements in science and engineering in this century. DOE spends billions of dollars funding projects-and plans to keep on spending at this rate. But, documentation shows that DOE's construction and environmental remediation projects take much longer and cost 50% more than comparable projects undertaken by other federal agencies, calling into question DOE's procedures and project management. What are the root causes for these problems?

Recycled Materials and by Products in Highway Applications Woodhead Publishing

The U.S. Department of Energy (DOE) is preparing an environmental impact statement (EIS) for management of aluminum spent fuel from foreign and domestic research reactors, much of which is highly enriched in uranium-235. This EIS will assess the need for additional treatment and storage facilities at the Savannah River Site to accommodate the receipt of this fuel, and it also will assess and select a treatment technology to prepare this fuel for interim storage and eventual shipment to a repository for disposal. This National Research Council book, which was prepared at the request of DOE's Savannah River Office, provides a technical assessment of the technologies, costs,

and schedules developed by DOE for eight alternative treatment options and the baseline reprocessing option. It also provides comments on DOE's aluminum spent fuel disposal program, a program that is slated to last for about 40 years and cost in excess of $2 billion.
Integrated Solid Waste Management: A Lifecycle Inventory
National Academies Press
The largest volumes of radioactive wastes in the United States contain only small amounts of radioactive material. These low-activity wastes (LAW) come from hospitals, utilities, research institutions, and defense installations where nuclear material is used. Millions of cubic feet of LAW also arise every year from non-nuclear enterprises such as mining and water treatment. While LAW present much less of a radiation hazard than spent nuclear fuel or high-level radioactive wastes, they can cause health risks if controlled improperly. Improving the Regulation and Management of Low-Activity Radioactive Wastes asserts that LAW should be regulated and managed according to the degree of risk they pose for treatment, storage, and disposal. Current regulations are based primarily on the type of industry that produced the waste-the waste's origin-rather than its risk. In this report, a risk-informed approach for

regulating and managing all types of LAW in the United States is proposed. Implemented in a gradual or stepwise fashion, this approach combines scientific risk assessment with public values and perceptions. It focuses on the hazardous properties of the waste in question and how they compare with other waste materials. The approach is based on established principles for risk-informed decision making, current risk-informed initiatives by waste regulators in the United States and abroad, solutions available under current regulatory authorities, and remedies through new legislation when necessary.
Waste Treatment and Disposal CRC Press

The Department of Energy's Office of Environmental Management (EM) directs the massive cleanup of more than 100 sites that were involved in the production of nuclear weapons materials during the Manhattan Project and the Cold War. This report offers suggestions for more effectively characterizing and treating the orphan and special-case wastes that are part of EM's accelerated cleanup program. It identifies technical opportunities for EM to improve the program that will save time and money without compromising health and safety. The opportunities identified include: making more effective use of existing facilities and

capabilities for waste characterization, treatment, or disposal; eliminating self-imposed requirements that have no clear technical or safety basis; and investing in new technologies to improve existing treatment and characterization capabilities. For example, the report suggests that EM work with DOE classification officers to declassify, to the extent possible, classified materials declared as wastes. The report also suggests a new approach for treating the wastes that EM will leave in place after cleanup.

Solid Waste Technology and Management, 2 Volume Set Springer Nature

Life is often considered to be a journey. The lifecycle of waste can similarly be considered to be a journey from the cradle (when an item becomes valueless and, usually, is placed in the dustbin) to the grave (when value is restored by creating usable material or energy; or the waste is transformed into emissions to water or air, or into inert material placed in a landfill). This preface provides a route map for the journey the reader of this book will undertake. Who? Who are the intended readers of this book? Waste managers (whether in public service or private companies) will find a holistic approach for improving the environmental quality and the economic cost

of managing waste. The book contains general principles based on cutting edge experience being developed across Europe. Detailed data and a computer model will enable operations managers to develop data-based improvements to their systems. Producers oj waste will be better able to understand how their actions can influence the operation of environmentally improved waste management systems. Designers oj products and packages will be better able to understand how their design criteria can improve the compatibility of their product or package with developing, environmentally improved waste management systems. Waste data specialists (whether in laboratories, consultancies or environ mental managers of waste facilities) will see how the scope, quantity and quality of their data can be improved to help their colleagues design more effective waste management systems.

Worldwide Advances in Radioactive Waste Management (Online)

Infobase Publishing

This book discusses environmental management and construction management approaches to the environmental problems that can emerge in construction projects. It sets a brand new standard for environmental management in mega construction projects in

China and helps all construction project stakeholders establish a more compliant and efficient environmental management system. The authors systematically explore management systems and team management, offering managerial methods and tips based on international and Chinese practices. Outlining all the environmental challenges that can arise during construction, it is a valuable resource for company owners, construction contractors, and construction management consultants and companies. It also offers useful insights for engineers, project managers and project executives.

Waste Management and the Environment IX CRC Press

As the world's population continues to grow and economic conditions continue to improve, more solid and liquid waste is being generated by society. Improper disposal methods can not only lead to harmful environmental impacts but can also negatively affect human health. To prevent further harm to the world's ecosystems, there is a dire need for sustainable waste management practices that will safeguard the environment for future generations. Waste Management: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines the

management of different types of wastes and provides relevant theoretical frameworks about new waste management technologies for the control of air, water, and soil pollution. Highlighting a range of topics such as contaminant removal, landfill treatment, and recycling, this multi-volume book is ideally designed for environmental engineers, waste authorities, solid waste management companies, landfill operators, legislators, environmentalists, policymakers, government officials, academicians, researchers, and students.

Solid Waste Management National Academies Press

This book compiles many different treatment options and best practices for the treatment and recycling of municipal solid waste from all over the globe, factoring in cost-effectiveness, sanitation, and environmental degradation. Important to professors, researchers, students, policymakers, and municipal offices, this informed book looks into innovative waste management systems from a number of developing countries, which may prove useful to developed countries of the world as well. This book is unique in that it focuses on state-of-the-art urban solid waste management and future trends.

Environmental Management in Mega

Construction Projects CRC Press
Sustainable Solid Waste ManagementJohn Wiley & Sons
Improving the Regulation and Management of Low-Activity Radioactive Wastes Sustainable Solid Waste Management
Containing the proceedings from the 9th International Conference on Waste Management and the Environment, this book is a collection of research on current waste disposal methods, as well as highlighting better practices and safer solutions for the future. Waste Management is one of the key problems of modern society due to the ever-expanding volume and complexity of discarded domestic and industrial waste. Society is increasingly aware of the need to establish better practices and safer solutions for waste disposal. This requires further investigation into disposal methods and recycling as well as new technologies to monitor landfills, industrial mining wastes and chemical and nuclear repositories. This creates a need for more research on current disposal methods such as landfills, incineration, chemical and effluent treatment, as well as recycling, clean technologies, waste monitoring, public and corporate awareness and general education. The papers contained in this title form a collective record of

scientific information and work on the current situation of waste management amongst professionals, researchers, government departments and local authorities.

Waste Treatment

John Wiley & Sons

The increasing scarcity of land and the ever-rising amount of waste produced worldwide, coupled with the consequent change of focus by policy makers from waste disposal and recovery to waste prevention is boosting research in the 'economics of waste'. This volume addresses waste-management and waste-disposal issues, embedding them in spatial, systemic and trade-related frameworks. The collection is policy oriented, including socio-economic and political science perspectives in order to provide an understanding of real world phenomena, and thus maximize its value for policy making. The book includes contributions on the linkages between income and waste generation and landfilling (such as the ‘waste Kuznets curve’ conceptual framework), in addition to papers that bring together policy-oriented analysis of instrument effectiveness and the spatial nature of waste phenomena. On top of this, there are pieces of research emphasizing technological spillovers and trade at interregional and intercountry levels. The comparative analysis

of policy effectiveness and efficiency at the regional and country levels is also covered, including the assessment of the potential role of illegal management of waste in determining waste performance. To give a spatial and comparative flavour, the book includes work on the evaluation of waste-related externalities, with examples covering household, industrial and special waste. The wide set of methodologies and issues included in this book make it a comprehensive starting point for scholars and policy makers interested in waste-related research.

Low-Level Radioactive Waste Management and Disposition

National Academies Press

The book presents high-quality research papers from the Seventh International Conference on Solid Waste Management (IconSWM 2017), held at Professor Jayashankar Telangana State Agricultural University, Hyderabad on December 15–17, 2017. The conference, an official side event of the high-level Intergovernmental Eighth Regional 3R Forum in Asia and the Pacific, aimed to generate scientific inputs into the policy consultation of the Forum co-organized by the UNCRD/UNDESA, MoEFCC India, MOUD India and MOEJ, Japan. Presenting research on solid waste management from more than 30 countries, the book is

divided into three volumes and addresses various issues related to innovation and implementation in sustainable waste management, segregation, collection, transportation of waste, treatment technology, policy and strategies, energy recovery, life cycle analysis, climate change, research and business opportunities. *Sustainable Solid Waste Collection and Management* DIANE Publishing Electronic waste (e-waste) refers to obsolete, broken, electronic devices like TVs, CPUs, computer monitors, laptops, printers, scanners, and wiring. E-waste has become a concern due to the high volumes in which it is generated, the hazardous constituents it often contains (such as lead, mercury, and chromium), and the lack of reg¿s. applicable to its disposal or recycling. Contents of this report: (1) Impacts of E-Waste Exports; (2) Domestic E-Waste Disposal; Waste Vol.; Hazardous Constituents; (3) E-Waste Mgmt. Require.: Relevant Waste Disposal Require.; Recycling and Export Require.; (4) Factors Influencing E-Waste Exporting: Costly and Complex Domestic Recycling Processes; Limited Domestic Infrastructure and High Demand Abroad. Illus. *Developments in Information and Knowledge Management Systems for Business Applications* CRC Press A set of 46 technical

guidance documents provided by the Kansas Department of Health and Environment, Bureau of Waste Management, with resources and information on the Solid Waste Management and Disposal.

Sustainable Waste Management: Policies and Case Studies CRC Press

Zero Waste: Management Practices for Environmental Sustainability presents approaches for resource management centered on reducing waste and reusing and recycling materials. It aims to save energy by reducing energy consumption associated with extracting, processing, and transporting raw materials and waste, and also to reduce and eventually eliminate the need for landfills and incinerators. This book presents the various principles, methods, and tools that can be used to address different issues in the areas of industrial waste reduction and sustainability. It examines how to eliminate waste at the source and at all points of a supply chain, and how to shift from the current one-way linear resource model to a sustainable "closed-loop" system. Proposes strategies for businesses to reduce and reuse waste with a goal of reaching a zero waste status. Focuses on how mitigating waste and promoting recycling can save vast amounts of energy. Explains how the zero waste approach would

be a key measure to ensure environmental sustainability and help to offset global climate change.

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