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Autore	Cain Clive Thomas
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side clients to replacelowest price tendering withvalue-based selection; Value-based selection of a fullyintegrated design and constructionsupply-side team (or virtualcompany); Chapter Eight: Effective Leadership; Chapter Nine: The Buzzwords Explained; Further Reading and Help; Index

Sommario/riassunto

The lean procurement techniques given in this practical guide could save clients up to 40% of total design and construction costs; case history evidence is included to prove that the techniques really work. The guide goes on to explain in equal depth the lean construction techniques that supply-side design and construction firms (including trades contractors) need to adopt to deliver the savings while boosting their profit margins.Written in an accessible style, it explains why lean construction techniques will only deliver this high level of savings if they are underpinned by

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Titolo

An international spent nuclear fuel storage facility : exploring a Russian site as a prototype : proceedings of an international workshop // Glenn E. Schweitzer and A. Chelsea Sharber, editors ; Committee on the Scientific Aspects of an International Spent Nuclear Fuel Storage Facility in Russia, Office for Central Europe and Eurasia, Development, Security, and Cooperation, Policy and Global Affairs, National Research Council to the National Academies ; in cooperation with Russian Academy of Sciences

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Altri autori (Persone)

SchweitzerGlenn E. <1930-2023.>
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Soggetti

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Nota di contenuto	FrontMatter -- Preface -- Contents -- Opening Remarks -- HANDLING SPENT NUCLEAR FUEL- INTERNATIONAL EXPERIENCE -- IAEA Activities in Nuclear Spent Fuel Management--Fyodor F. Sokolov, Aleksey E. Lebedev, and Kosaku Fukuda* -- Analysis of U.S. Experience with Spent Fuel--John F. Ahearne -- Problems of Spent Nuclear Fuel Management and Storage Site Selection--M. I. Solonin -- Feasibility of Transmutation of Radioactive Elements--Sekazi K. Mtingwa -- The High-Level Waste Disposal Technology Development Program in Korea--Jongwon Choi -- The Use of Sodium-Cooled Fast Reactors for Effectively Reprocessing Plutonium and Minor Actinides--V. I. Matveev, V. A. Yeliseev, and Ye. V. Poplavskaya -- SITE SELECTION FOR SPENT FUEL STORAGE AND DISPOSAL OF HIGH-LEVEL WASTE -- Site Selection for Spent Fuel Storage and Disposal of High-Level Waste: Experience of European Countries--Charles McCombie -- The Private Fuel Limited Liability Company National Spent Fuel Site--John D. Parkyn -- Experience of Japan--Koji Nagano -- The Current Status of Spent Nuclear Fuel in Korea--Hyun-Soo Park and Jongwon Choi -- Safe Transport of Spent Nuclear Fuel and High-Level Waste: International Experience--Michael E. Wangler and Ronald B. Pope -- Ensuring Nuclear and Radiation Safety During the Transport of Radioactive Materials in Russia--Aleksandr M. Agapov -- PROBLEMS IN ESTABLISHING AN INTERNATIONAL STORAGE FACILITY FOR SPENT NUCLEAR FUEL IN RUSSIA -- Creating an Infrastructure for Managing Spent Nuclear Fuel--K. G. Kudinov -- Current Status of Government Regulation of Activities Associated with the Import of Spent Nuclear Fuel into the Russian Federation--A. M. Dmitriev -- Return to the Russian Federation of Irradiated Fuel Assemblies from the Institute of Nuclear Physics of the Republic of Uzbekistan--Aleksey E. Lebedev. Investment and International Aspects of the Problem of Spent Nuclear Fuel Management--Vitaly P. Keondjian and Michael A. Zhdanov -- Creation of an Underground Storage Facility for Spent Nuclear Fuel near the City of Zheleznogorsk (Eastern Siberia)--Ye. B. Anderson, Ye. F. Lyubtseva, V. G. Savonenkov, S. I. Shabalev, and N. L. Alekseev -- Conditions for the Creation of an International Spent Nuclear Fuel Storage Facility near the Priargunsk Mining- Chemical Production Association (City of Krasnokamensk, Chita Oblast)--Vasily I. Velichkin, V. A. Petrov, V. F. Golovin, and V. A. Ovseichuk -- UTILIZATION OF HIGH-LEVEL WASTE -- Types of High-Level Radioactive Wastes Formed as a Result of Dry Methods of Spent Fuel Regeneration and Technologies for Their Management--Valentin B. Ivanov -- Chemical Treatment of High-Level Waste for Utilization--Boris F. Myasoedov -- Immobilization of High-Level Waste: Analysis of Appropriate Synthetic Waste Forms--S. V. Yuditsev -- Management of High-Level Radioactive Wastes from the Mayak Production Association and Plans for the Creation of an Underground Laboratory--Yu. V. Glagolenko -- Creation of Underground Laboratories at the Mining-Chemical Complex and at Mayak to Study the Suitability of Sites for Underground Isolation of Radioactive Wastes--Tatyana A. Gupalo -- Concluding Observations--Milton Levenson -- APPENDIXES -- A Workshop Agenda

-- B Environmental Effects of Radiation in the Russian Federation--V. V. Kutsenko -- C Geochemistry of Actinides During the Long-Term Storage and Disposal of Spent Nuclear Fuel--Nikolay P. Laverov, Vasily I. Velichkin, B. I. Omelyanenko, and S. V. Yudintsev.

Sommario/riassunto

As part of a long-standing collaboration on nuclear nonproliferation, the National Academy of Sciences and the Russian Academy of Sciences held a joint workshop in Moscow in 2003 on the scientific aspects of an international radioactive disposal site in Russia. The passage of Russian laws permitting the importation and storage of high-level radioactive material (primarily spent nuclear fuel from reactors) has engendered interest from a number of foreign governments, including the U.S., in exploring the possibility of transferring material to Russia on a temporary or permanent basis. The workshop focused on the environmental aspects of the general location and characteristics of a possible storage site, transportation to and within the site, containers for transportation and storage, inventory and accountability, audits and inspections, and handling technologies.
