Record Nr. UNINA9910826478803321 **Titolo** Alternatives for high-level waste salt processing at the Savannah River Site / / Committee on Cesium Processing Alternatives for High-Level Waste at the Savannah River Site, Board on Radioactive Waste Management, Board on Chemical Sciences and Technology, National Research Council Washington, D.C., : National Academy Press, c2000 Pubbl/distr/stampa **ISBN** 0-309-17158-X 1-280-18528-7 9786610185283 0-309-56357-7 Edizione [1st ed.] Descrizione fisica 1 online resource (154 p.) Collana Compass series Disciplina 621.4838 Soggetti Radioactive waste disposal Salts Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia "Support for this study was provided by the U.S. Department of Energy Note generali under Grant No. DE-FC01-99EW59049"--T.p. verso. Nota di bibliografia Includes bibliographical references. Nota di contenuto ""ALTERNATIVES FOR HIGH-LEVEL WASTE SALT PROCESSING AT THE SAVANNAH RIVER SITE""; ""Copyright""; ""Acknowledgements""; ""List of Report Reviewers""; ""Contents""; ""Summary""; ""1 Introduction""; ""BACKGROUND ON THE HIGH-LEVEL WASTE PROGRAM AT SAVANNAH RIVER""; ""Waste Concentration and Storage""; ""Radionuclide Immobilization""; ""Extended Sludge Processing""; ""Salt Processing""; ""Salt Disposal""; ""ORIGIN OF THE CESIUM REMOVAL PROBLEM""; ""IDENTIFICATION OF PROCESSES FOR CESIUM REMOVAL""; ""Strontium/Actinide Removal by MST""; ""Tetraphenylborate Precipitation Process"" ""Crystalline Silicotitanate Ion Exchange""""Caustic Side Solvent Extraction""; ""Direct Disposal in Grout""; ""RECOMMENDATIONS FROM THE COMMITTEE'S INTERIM REPORT": ""GENERIC ISSUES"": ""2 Screening Procedure""; ""BACKGROUND""; ""Literature and Patent Search""; ""Initial Selection of Process Alternatives (Phase I)""; ""Reduction of Process Alternatives to Four (Phase II)""; ""Selection of Recommended Process

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