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Nota di contenuto

""Alternative High-Level Waste Treatments at the Idaho National Engineering and Environmental Laboratory""; ""Copyright""; ""Executive Summary""; ""INCOMPLETE CHARACTERIZATION DATA""; ""ADDITIONAL TESTING NEEDS""; ""ESTABLISHMENT OF DEFINITIVE WASTE FORM SPECIFICATIONS""; ""DISPOSAL UNCERTAINTIES""; ""SELECTION OF A TREATMENT OPTION""; ""RECOMMENDATION ON HLW CALCINE""; ""RECOMMENDATION ON SBW""; ""CLOSURE SPECIFICATIONS""; ""RISK ANALYSIS PERSPECTIVE""; ""Preface""; ""Acknowledgements""; ""Contents""; ""1 Introduction""; ""WASTE GENERATED FROM PAST REPROCESSING PRACTICES""  
""SOLID WASTE IN BINS""""LIQUID WASTE IN TANKS""; ""OTHER HLW: SPENT NUCLEAR FUEL INVENTORIES""; ""OTHER INVENTORIES OF RADIOACTIVE WASTE""; ""FUTURE PLANS AND CONTEXT FOR THIS STUDY""; ""PROCESS OPTIONS""; ""ORGANIZATION OF THIS REPORT""; ""2 Calcine Characterization, Retrieval, and Dissolution""; ""CALCINE CHARACTERIZATION""; ""RETRIEVAL, HANDLING, AND BLENDING OF CALCINE FROM BINS""; ""Retrieval Operations""; ""Calcine Handling and Blending""; ""CALCINE DISSOLUTION""; ""Characteristics of UDS""; ""Derivation of Dissolution Specifications""; ""ADEQUACY OF EXISTING INFORMATION""  
""CRITICAL TESTING NEEDS""""3 Physical and Chemical Separations""; ""THE SEPARATIONS APPROACH""; ""SOLID-LIQUID SEPARATIONS""; ""Current Status""; ""CESIUM ION EXCHANGE SEPARATION""; ""Experimental Basis""; ""Current Status""; ""STRONTIUM SEPARATION""; ""Adequacy of Existing Information""; ""Critical Testing Needs""; ""Alternatives""; ""TRUEX SEPARATIONS PROCESS""; ""Technical Problems""; ""Current Laboratory Experimentation""; ""Questionable Experimental Process Modifications""; ""Required Technical Demonstration of Proposed Process""  
""SEPARATIONS PROCESSING CHALLENGES ASSOCIATED WITH THE COMBINATION OF INDIVIDUAL STEPS""""SUMMARY""; ""4 Treatment of Sodium-Bearing Liquid Waste""; ""PRESENT STATUS AND PROGRAM PLANS""; ""PROCESSING METHODS""; ""REPOSITORY AND TREATMENT OPTIONS FOR NON-HLW""; ""Other Department of Energy Office of Environmental Management Plans for Disposal of Low-Level TRU Waste in WIPP or NTS""; ""5 Vitrification""; ""NONSEPARATION OPTION""; ""Waste Compositions and Characteristics""; ""Zirconia-Based Calcine""; ""Alumina-Based Calcine""; ""SBW to be Calcined or Directly Immobilized""  
""Mixtures of Alumina Calcine and SBW""""Vitrification Facility and Processing""; ""SEPARATION OPTION""; ""Waste Compositions and Characteristics""; ""Vitrification Facility and Processing""; ""POTENTIAL PROBLEMS""; ""Blending to Achieve Uniform Waste Composition""; ""Waste Loading in Borosilicate Glass""; ""High Phosphate Content""; ""Zirconia-Related Problems""; ""Tolerance of Glass to the Content of Calcium Fluoride""; ""Testing Needs""; ""6 Cementation""; ""PROCESS DESCRIPTIONS""; ""Direct Cementation: Mixed HLW Hydroceramic with Feed of Clay, Slag, Soda, and Water""  
""Direct Cementation: Mixed HLW Hydroceramic with Feed of Sucrose, Clay, NaOH, and Water""