

1. Record Nr.	UNINA9910451826003321
Titolo	Evaluation of the electrometallurgical approach for treatment of excess weapons plutonium [[electronic resource] /] / Committee on Electrometallurgical Techniques for DOE Spent Fuel Treatment ... [et. al.]
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1996
Descrizione fisica	1 online resource (71 p.)
Disciplina	621.78335
Soggetti	Electrometallurgy Radioactive waste disposal - Management Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	""AN EVALUATION OF THE ELECTROMETALLURGICAL APPROACH FOR TREATMENT OF EXCESS WEAPONS PLUTONIUM""; ""Copyright""; ""PREFACE""; ""Contents""; ""EXECUTIVE SUMMARY""; ""INTRODUCTION""; ""BACKGROUND""; ""CISAC Findings""; ""Efforts of the Fissile Materials Disposition Program""; ""MODIFICATIONS OF THE SPENT FUEL PROCESSING FLOW SHEET""; ""Plutonium Disposition Flow Sheet Option""; ""Modified Flow Sheet: Conclusions""; ""Modified Flow Sheet: Recommendations""; ""WASTE FORMS AND CHARACTERISTICS""; ""Expected Waste Forms""; ""Zeolite Waste Form""; ""Physical Characteristics"" ""Zeolite Column Loading""""Glass-Bonded Zeolite Production""; ""Waste Form Testing and Acceptability""; ""Cladding Metal Waste Form""; ""Waste Forms: Conclusions and Recommendations""; ""OTHER ISSUES AND CONSIDERATIONS: PROLIFERATION, TIME LINE, COST, AND POLICY""; ""CONCLUSIONS AND RECOMMENDATIONS""; ""1 INTRODUCTION ""; ""2 BACKGROUND ""; ""CISAC FINDINGS""; ""EFFORTS OF THE FISSILE MATERIALS DISPOSITION PROGRAM""; ""3 MODIFICATIONS OF THE SPENT FUEL PROCESSING FLOW SHEET ""; ""PLUTONIUM DISPOSITION FLOW SHEET OPTION""; ""MODIFIED FLOW SHEET: CONCLUSIONS""

""MODIFIED FLOW SHEET: RECOMMENDATIONS"""; ""4 WASTE FORMS AND CHARACTERISTICS """; ""EXPECTED WASTE FORMS"""; ""ZEOLITE WASTE FORM"""; ""Physical Characteristics"""; ""Zeolite Column Loading"""; ""Glass-Bonded Zeolite Production"""; ""Waste Form Testing and Acceptability"""; ""CLADDING METAL WASTE FORM"""; ""WASTE FORMS: CONCLUSIONS AND RECOMMENDATIONS"""; ""5 OTHER ISSUES AND CONSIDERATIONS: PROLIFERATION, TIME LINE, COST, AND POLICY"""; ""6 CONCLUSIONS AND RECOMMENDATIONS"""; ""APPENDICES"""; ""A COMMITTEE MEETINGS"""; ""FIRST MEETING, OCTOBER 4-5, 1995"""; ""Wednesday, October 4"""; ""Thursday, October 5"""; ""FIRST MEETING, OCTOBER 4-5, 1995"""; ""Executive Session (Oct. 4)"""; ""Open Session (Oct. 4)"""; ""Executive Session (Oct. 5)"""; ""SECOND MEETING, DECEMBER 4-5, 1995"""; ""Monday, December 4"""; ""Tuesday, December 5"""; ""SECOND MEETING, DECEMBER 4-5, 1995"""; ""Executive Session (Dec. 4)"""; ""Open Session"""; ""Open Session (Dec. 5)"""; ""Executive Session"""; ""B ARGONNE NATIONAL LABORATORY RESPONSES TO QUESTIONS SUBMITTED ON NOVEMBER 3, 1995, BY THE COMMITTEE"""; ""Plutonium Disposition"""; ""Waste Forms"""; ""EBR-II Shutdown and R&D Program"""; ""Literature"""; ""The following references were provided:"""; ""C ARGONNE NATIONAL LABORATORY RESPONSES TO QUESTIONS SUBMITTED ON DECEMBER 4, 1995, BY THE COMMITTEE"""; ""D THE ANL ELECTROREFINER"""; ""E ABBREVIATIONS USED IN THIS REPORT""

---