

1. Record Nr.	UNINA9910777425903321
Titolo	U.S.-German cooperation in the elimination of excess weapons plutonium [[electronic resource] /] / German-American Academic Council and National Academy of Sciences
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1995
Descrizione fisica	1 online resource (90 p.)
Disciplina	327.1747
Soggetti	Radioactive waste disposal Plutonium Disarmament
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>""U.S.-GERMAN COOPERATION IN THE ELIMINATION OF EXCESS WEAPONS PLUTONIUM""; ""Copyright""; ""Preface""; ""Executive Summary""; ""Chapter 1: Context ""; ""1.1. URGENCY AND PROBLEM""; ""1.2. RELEVANT EXISTING STUDIES""; ""1.2.1. The National Academy of Sciences Study""; ""1.2.2. The Status of the Implementation of the NAS Study Recommendations""; ""Declarations and Transparency""; ""Dismantlement""; ""Intermediate Storage""; ""Disposition""; ""1.2.3. The German/Russian Study""; ""1.3. OVERVIEW OF TECHNOLOGIES FOR POTENTIAL COLLABORATION""; ""1.3.1. WPu Disposition Using MOX"" ""1.3.2. Vitrification of WPu with High Level Waste"" ""1.3.3. Comparison of the MOX and Vitrification Option for the Disposal of WPu""; ""1.3.4. Material Protection, Control, and Accounting""; ""Chapter 2: Assistance, Infrastructure, and Policies ""; ""2.1. WESTERN ASSISTANCE TO RUSSIAN DISARMAMENT""; ""2.1.1. U.S. Assistance""; ""2.1.2. European and Other Western Assistance""; ""2.1.3. Assessment of Activities""; ""2.2. RUSSIAN NUCLEAR INFRASTRUCTURE AND POLICY""; ""2.2.1. Experience with MOX Use and Fabrication""; ""2.2.2. Experience with Vitrification"" ""2.2.3. Evolution of Russian Nuclear Policy"" ""2.3. GERMAN NUCLEAR INFRASTRUCTURE AND POLICY""; ""2.3.1. Experience with MOX Use and Fabrication""; ""2.3.2. Experience with Vitrification""; ""2.3.3. German Nuclear Policy and Infrastructure""; ""Chapter 3: Principles for German</p>

Participation"; "3.1. PRINCIPLES OF GERMAN PARTICIPATION"; "3.2. THE SAFEGUARDING OF RUSSIAN AND GERMAN ACTIVITIES"; "Chapter 4: Recommendations for German Participation"; "4.1. MATERIALS PROTECTION, CONTROL, AND ACCOUNTING"; "4.2. INTERMEDIATE STORAGE"; "4.3. RECOMMENDATIONS ON DISPOSITION OPTIONS" "4.3.1. The "Hanau Option" "4.3.2. A Large MOX Fabrication Plant in Russia"; "4.3.3. A Small MOX Fabrication Facility"; "4.3.4. A Small Pilot Vitrification Facility"; "Chapter 5: Summary of Recommendations"; "INTERNATIONAL SAFEGUARDS"; "MATERIAL PROTECTION, CONTROL, AND ACCOUNTING (MPC&A)"; "INTERMEDIATE STORAGE"; "THE "HANAU OPTION"; "A LARGE MOX FABRICATION PLANT IN RUSSIA"; "SMALL MOX FABRICATION FACILITY"; "SMALL PILOT VITRIFICATION FACILITY"; "Appendix A: Executive Summary of the NAS Plutonium Study"; "PRINCIPAL RECOMMENDATIONS" "CRITERIA AND CONTEXT" "World Stocks of Fissile Materials"; "The International Environment"; "THE PROPOSED WEAPONS AND FISSILE MATERIALS REGIME"; "Internationalizing the Regime"; "INTERMEDIATE STORAGE"; "Present and Planned Arrangements"; "A New Storage Regime"; "LONG-TERM DISPOSITION"; "Categories, Criteria, and Standards"; "The Preferred Approaches"; "The Spent Fuel Option"; "The Vitrification Option"; "The Deep-Borehole Option"; "Other Approaches"; "Beyond the Spent Fuel Standard"; "THE INSTITUTIONAL FRAMEWORK"; "RECOMMENDATIONS" "Declarations And Dismantlement"
