Record Nr. UNINA9910777418203321 **Titolo** Evaluation of the army's draft assessment criteria to aid in the selection of alternative technologies for chemical demilitarization [[electronic resource] /] / Committee on Review and Evaluation of the Army Chemical Stockpile Disposal Program Pubbl/distr/stampa Washington, D.C., : National Academy Press, 1995 Descrizione fisica 1 online resource (85 p.) Disciplina 358.3482 Soggetti Chemical weapons disposal - Technological innovations Chemical agents (Munitions) 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 ""Evaluation of the Army's Draft Assessment Criteria to Aid in the Selection of Alternative Technologies for Chemical Demilitarization""; ""Copyright""; ""Preface""; ""Contents""; ""Abbreviations and Acronyms""; ""Executive Summary""; ""COMMITTEE EVALUATION PROCESS""; ""SUMMARY OF FINDINGS AND RECOMMENDATIONS""; ""1 Introduction""; ""THE ARMY'S ALTERNATIVE TECHNOLOGIES PROGRAM""; ""THE ARMY'S DRAFT ASSESSMENT CRITERIA""; ""EVALUATION PROCESS""; ""2 Alternative Technology Research and Development Program""; ""CHEMISTRY AND BIOLOGY OF ALTERNATIVE PROCESSES"" ""DECISIONS ABOUT ALTERNATIVE TECHNOLOGIES""""ALTERNATIVE TECHNOLOGY RDT&E PROGRAM ELEMENTS""; ""3 Critical Factors for Evaluating Criteria""; ""DEVELOPMENT OF CRITICAL FACTORS UNDERLYING CRITERIA""; ""SYNOPSIS OF CRITICAL FACTORS""; ""PROCESS EFFICACY""; ""Detoxification of Agent""; ""Achieving Treaty Requirements""; ""Achieving Environmental and Other Regulatory Requirements""; ""Management of Process Residuals""; ""Process Stability, Reliability, and Robustness""; ""Process Monitoring""; ""Natural Resource Requirements""; ""Scale-up Requirements""; ""Applicability to Other Wastes"" ""PROCESS SAFETY""""Plant Safety and Health Risks""; ""Community

Safety, Health, and Environmental Risks""; ""Storage Risks"";

""SCHEDULE""; ""PROCESS COSTS""; ""Extended Stockpile Storage Interval"": ""Process Development"": ""Process Implementation and Operation""; ""Plant Disassembly""; ""Discounting""; ""4 Information Needed for the Army's Decision""; ""INFORMATION INDEPENDENT OF PROCESS CHOICE""; ""Standards of Performance""; ""Agent Destruction and Reversibility""; ""Agent Characterization""; ""Allowable Discharge (or Transport) Limits""; ""Safetya€?Fire and Explosion"" ""Safetya€?Reaction Stability""""Information Needed for Each Alternative Process Prior to Process Selection"": ""Site-Specific Conceptual Design Packages""; ""Conceptual Design""; ""Further Development and Demonstration Plans""; ""Additional Planning Information""; ""Contingency Planning""; ""Site- and Technology-Specific Risk Assessments""; ""Accident Risk Comparison""; ""Environmental Risk Comparison""; ""Health Risk Comparison""; ""TREATMENT OF UNCERTAINTY"": ""5 Summary and Evaluation of the Army's Criteria Document""; ""SUMMARY OF THE ASSESSMENT CRITERIA DOCUMENT"" ""Criteria Development"""Basic Evaluation Categories""; ""Public Law""; ""Regulatory and Legal""; ""Environmental Protection""; ""Worker Safety""; ""Public Acceptance""; ""Public Health and Safety""; ""Schedule""; ""Cost""; ""Research, Development, and Testing""; ""Process Design""; ""EVALUATION OF THE ARMY DRAFT ASSESSMENT CRITERIA""; ""Process Efficacy""; ""Detoxification of Agent""; ""Achieving Treaty Requirements"; ""Achieving Environmental and Other Regulatory Requirements"; ""Management of Process Residuals""; ""Process Stability, Reliability, and Robustness""; ""Process Monitoring"" ""Natural Resource Requirements""