

1. Record Nr.	UNINA9910955348203321
Titolo	Disposal of activated carbon from chemical agent disposal facilities // Committee to Examine the Disposal of Activated Carbon from the Heating, Ventilation, and Air Conditioning Systems at Chemical Agent Disposal Facilities, Board on Army Science and Technology, Division on Engineering and Physical Sciences, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2009
ISBN	9780309144773 0309144779 9780309138192 0309138191
Edizione	[1st ed.]
Descrizione fisica	1 online resource (87 p.)
Disciplina	623.445
Soggetti	Chemical weapons disposal - Environmental aspects - United States Carbon, Activated Nerve gases - Finishing - Waste disposal Hazardous waste sites
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	""Preface""; ""Acknowledgment of Reviewers""; ""Contents""; ""Tables and Figures""; ""Abbreviations and Acronyms""; ""Summary""; ""1 Introduction""; ""2 Uses and Management of Activated Carbon at Chemical Agent Disposal Facilities""; ""3 Regulations Governing Carbon Disposal""; ""4 Interactions of Chemical Agents with Activated Carbon""; ""5 Commercial and Industrial Practices for Activated Carbon Management""; ""6 Use and Disposal of Sulfur-Impregnated Carbon for Mercury Adsorption""; ""7 Disposal of Carbon from Chemical Agent Disposal Facilities""; ""Appendices"" ""Appendix A: Calgon Carbon Corporation General Carbon Acceptance Criteria for Reactivation""""Appendix B: Committee Meetings, Site Visits, and Virtual Meetings""; ""Appendix C: Biographical Sketches of Committee Members""

Sommario/riassunto

For the last two decades, the United States has been destroying its entire stockpile of chemical agents. At the facilities where these agents are being destroyed, effluent gas streams pass through large activated carbon filters before venting to ensure that any residual trace vapors of chemical agents and other pollutants do not escape into the atmosphere in exceedance of regulatory limits. All the carbon will have to be disposed of for final closure of these facilities to take place. In March 2008, the Chemical Materials Agency asked the National Research Council to study, evaluate, and recommend the best methods for proper and safe disposal of the used carbon from the operational disposal facilities. This volume examines various approaches to handling carbon waste streams from the four operating chemical agent disposal facilities. The approaches that will be used at each facility will ultimately be chosen bearing in mind local regulatory practices, facility design and operations, and the characteristics of agent inventories, along with other factors such as public involvement regarding facility operations.
