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State and Local Regulators Need to Develop Their Own Expertise in Remediating Munitions Sites; Chapter 3. The Extent of the Munitions Problem; 3.1 Introduction; 3.2 Extent of the Munitions Problem Generally; 3.3 Land Mines; 3.4 Munitions Burials by the Civilian Conservation Corps; 3.5 Extent of the Explosive Munitions Problem; Chapter 4. Explosive Ordnance; 4.1 Danger From Explosive Ordnance; 4.2 Explosive Contamination; 4.3 Methods of Destroying Military Explosives; Chapter 5. Chemical Warfare Material 5.1 Introduction to Chemical Warfare Material Issues 5.2 History of Chemical Warfare; 5.3 Extent of the Chemical Warfare Material Problem; 5.4 Unique Problems in CWM Site Remediation; 5.5 Potential Chemical Agents That May Be Encountered; 5.6 Radioactive Facilities; Chapter 6. Prior Ordnance Disposal Practices; 6.1 Introduction; 6.2 Burial of Chemical Weapons; 6.3 Dumping Explosive and Chemical Ordnance Underwater; Chapter 7. Ordnance Detection and Analysis; 7.1 Introduction; 7.2 General Types of Metal Detectors; 7.3 UXO Location Technologies; 7.4 Choosing a Metal Detector or Magnetometer 7.5 UXO Analysis 7.6 Other Geophysically Intrusive Techniques; 7.7 How to Conduct a Correct Search for Buried or Range Impact Ordnance; 7.8 Historical and Archival Data Sources; Chapter 8. Excavation and Removal of Ordnance; 8.1 Excavating the Ordnance Item after Proper Identification; Chapter 9. Recommendations; 9.1 Basic Site Requirements; 9.2 Time is Running Out; Photo and Map Section; Part 2: Case Study: The American University Experiment Station (AUES): A Formerly Used Defense Site; Introduction to Part II; Chapter 10. A History of the American University Experiment Station (AUES) Site 10.1 Introduction 10.2 The History of the AUES Site; 10.3 The District of Columbia's First Report on the World War I Poison Gas Production at the AUES; Chapter 11. Concerns over the Adequacy of Previous Remediation Efforts; 11.1 Introduction; 11.2 Concerns about Remaining Unexploded Ordnance and Chemical Containers; 11.3 Community Right to Know; Chapter 12. The District of Columbia's Initial Success as a State Regulator on AUES; 12.1 Success Results from Hard Work and Providence; 12.2 Myths and Falsehoods Regarding the AUES; 12.3 The Glass Stopper 12.4 The Child Development Center at American University

Sommario/riassunto

Unexploded military ordnance and toxic chemicals, some dating back to World War I, are a worldwide concern, especially at closed military bases that will be redeveloped for housing or civilian use. In Europe and Asia, many munitions sites are former battlegrounds; in Russia and its former territories, sites are used for storage and waste disposal. Experts estimate that the United States alone could spend between 50 and 250 billion dollars to cleanup these sites, many of which are in high-population density, residential areas. You might live near one such site right now. This book gi

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