

Contents

Preface.....	ix
About the Authors.....	xi
 Chapter 1	
Introduction to Vulnerability Assessments.....	1
Martha Boss, Dennis Day, Lawrence Fitzgerald, and Gayle Nicoll	
 Chapter 2	
Assessment: <i>Threat Analysis</i>	35
Martha Boss, Dennis Day, Lawrence Fitzgerald, Randy Boss, and Gayle Nicoll	
 Chapter 3	
Regulations, Building Codes, Industry Standards: <i>Compliance Documentation</i>	99
Martha Boss, Dennis Day, Charles Allen, Robert Araujo, and Lawrence Fitzgerald	
 Chapter 4	
Site and Building Features.....	119
Martha Boss, Dennis Day, Charles Allen, and Randy Boss	
 Chapter 5	
Chemical Threats.....	137
Martha Boss, Dennis Day, and Gayle Nicoll	
 Chapter 6	
Biological Threats.....	151
Martha Boss, Dennis Day, and Charles Allen	
 Chapter 7	
Radiation and Nuclear Threats	173
Gayle Nicoll, Martha Boss, and Dennis Day	
 Chapter 8	
Airborne Hazard: <i>Protection Options</i>	195
Kendall G. Christenson and Donald C. Dittus	
 Chapter 9	
Pressure Differentials and Airborne Contaminant Controls	229
Martha Boss, Dennis Day, and Charles Allen	

Chapter 10	
Filtration.....	241
Martha Boss, Dennis Day, and Charles Allen	
Chapter 11	
VAC Control Systems	267
Martha Boss, Charles Allen, and Donald C. Dittus	
Chapter 12	
VAC Systems Design Features	275
Martha Boss, Charles Allen, and Donald C. Dittus	
Chapter 13	
Temperature Management Equipment.....	295
Martha Boss, Dennis Day, Charles Allen, and Randy Boss	
Chapter 14	
Piping Systems.....	311
Martha Boss, Dennis Day, Charles Allen, and Randy Boss	
Chapter 15	
Decontamination Methods, Biocides, and Personal Protective Equipment	323
Martha Boss, Dennis Day, and Jon A. Cummins	
Chapter 16	
Building Materials and Decontamination: <i>Discussion of General Decontamination Terms and Method for Specific Building Materials</i>	341
Martha Boss, Dennis Day, and Jon A. Cummins	
Chapter 17	
Decontamination of Ventilation Systems: <i>Discussion of General Decontamination Terms and Methods for Ventilation Systems</i>	371
Martha Boss, Dennis Day, and Jon A. Cummins	
Chapter 18	
Emergency Plans.....	383
Martha Boss and Randy Boss	
Acronyms.....	395
Index	401