

- Chapter 1 Air Quality Management
- Background and Status p. 1
- Types of Pollutants

4

2

p. 4

- Bubble Concept p. 18
- Air Pollution Problems p. 18
- Effects on Vegetation

46

2

p. 46

- Resources

50

2

p. 50

- Air Pollution Controls p. 58
- Summary p. 81
- Research Needs p. 82
- Chapter 2 Solid and Hazardous Waste Management
- Background and Status

85

2

p. 85

- Solid and Hazardous Waste Problems

159

2

p. 159

- Resources

191

2

p. 191

- Treatment p. 215
- Programs p. 219
- Innovative Technologies p. 225
- Solid and Hazardous Waste Laws and Regulations p. 231
- Summary p. 247
- Research Needs p. 247
- Chapter 3 Private and Public Water Supplies
- Background and Status

251

2

p. 251

- Disinfection p. 273
- Emergency Repairs to Water Distribution Systems p. 275
- Water Supply Problems

275

2

p. 275

- Resources

293

2

p. 293

- Summary p. 330
- Research Needs p. 331
- Chapter 4 Swimming Areas

- Background and Status p. 333
- Scientific, Technological, and General Information p. 334
- Swimming Area Problems p. 341
- Potential for Intervention p. 348
- Resources p. 348
- Standards, Practices, and Techniques p. 348
- Modes of Surveillance and Evaluation p. 366
- Controls p. 370
- Summary p. 371
- Research Needs p. 372
- Chapter 5 Plumbing
 - Background and Status p. 373
 - Scientific, Technological, and General Information p. 374
 - Plumbing Problems p. 383
 - Potential for Intervention p. 387
 - Resources p. 387
 - Standards, Practices, and Techniques p. 387
 - Modes of Surveillance and Evaluation p. 398
 - Controls p. 399
 - Summary p. 406
 - Research Needs p. 406
- Chapter 6 Private and Public Sewage Disposal and Soils
 - Background and Status p. 407
 - Scientific, Technological, and General Information p. 408
 - Soils p. 452
 - Sewage Disposal Problems p. 479
 - Potential for Intervention p. 486
 - Resources p. 487
 - Standards, Practices, and Techniques p. 487
 - Modes of Surveillance and Evaluation p. 515
 - Controls p. 521
 - Summary p. 527
 - Research Needs p. 527
- Chapter 7 Water Pollution and Water Quality Controls
 - Background and Status p. 529
 - Scientific, Technological, and General Information p. 534
 - Water Problems p. 545
 - Public Health Aspects of Water Pollution p. 570
 - Biological Hazards p. 570
 - Potential for Intervention p. 593
 - Resources p. 593
 - Standards, Practices, and Techniques p. 594
 - Swimming Areas p. 595
 - Wastewater Treatment p. 603
 - Modes of Surveillance and Evaluation p. 607
 - Controls p. 623

- Summary p. 649
- Research Needs p. 649
- Chapter 8 Terrorism and Environmental Health Emergencies
- Introduction p. 651
- Terrorism p. 651
- Types of Terrorist Acts p. 652
- Strategic Plan for Preparedness and Response p. 657
- Some Current Programs p. 662
- Types of Disasters p. 663
- Disaster Plans p. 667
- Environmental Response Team p. 680
- Mental Health Needs in Disasters p. 681
- Specific Environmental Health Measures p. 681
- Special Environmental Health Problems p. 685
- Chapter 9 Major Instrumentation for Environmental Evaluation of Ambient Air, Water, and Soil
- Background and Status p. 689
- Sample Collection p. 689
- Sample Analysis p. 701
- Bibliography p. 711
- Index: Volume II p. 785
- Index: Volume I p. 833