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Nota di bibliografia	Includes bibliographical references (pages 111-120) and index.
Nota di contenuto	<p>1. Historic and legal basis of and for environmental regulation -- 1.1 Rivers and Harbors Act of 1899 -- 1.2 Water pollution regulatory history -- 1.3 Wastewater disposal regulatory history -- 1.4 Solid waste disposal regulatory history -- 1.5 Air pollution control management regulatory history -- 1.6 Wildlife and habitat protection regulatory history -- 1.7 Ionization radiation regulatory history --</p> <p>2. Ecology of natural resources -- 2.1 Introduction -- 2.2 Environmental value or ecosystem value -- 2.3 Anthropogenic impacts on ecosystems -- 2.4 Land management --</p> <p>3. Ecosystem concepts -- 3.1 Introduction -- 3.2 Water and nutrient cycles -- 3.3 Population dynamics --</p> <p>4. Pollution control management -- 4.1 Water treatment -- 4.2 Wastewater treatment and reuse -- 4.3 Solid waste management -- 4.4 Air pollution control -- 4.5 Hazardous material management -- 4.6 Ionization radiation -- 4.7 Noise pollution -- 4.8 Mining wastes --</p> <p>5. Environmental systems overview -- 5.1 Introduction -- 5.2 Environmental management systems in common use --</p> <p>6. Fundamental concepts -- 6.1 Hydrology -- 6.2 Soil resources -- 6.3 Water resources identification and classification -- 6.4 Energy resources -- 6.5 Sustainability concepts --</p> <p>7. Resource management -- 7.1 Water quality management -- 7.2 Water availability --</p>

8. Concepts of long-term environmental sustainability -- 8.1  
Introduction -- 8.2 Resource management -- 8.3 Practical applications  
-- 8.4 Long-term concerns --  
Glossary -- Soil taxonomies -- Bibliography -- Index.

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Sommario/riassunto

Key topics in environmental engineering are discussed in sufficient detail as to provide a concise and useful overview for the graduate or professional student. Subjects approached herein include water and wastewater treatment systems, hazardous materials, and alternative energy. The intent of this volume is to provide a repository of general information for consultation and reference of the user.

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