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Nota di contenuto	<IT>Chapter Headings only.</IT> Preface. Geoenvironmental Engineering in a Global Environment. Sustainable Development. Sources, Characteristics and Management Wastes. Soil System. Soil-Water-Pollutant Interaction. Fate and Effects of Pollutants. Site Investigation. Geostatistics. Subsurface Pollutant Transport. Risk Assessment. Risk Management. Subsurface Control Systems - Groundwater Extraction -. Subsurface Control Systems - Alternatives to Groundwater Extraction -. Covering Systems. Lining Systems. Soil Vapour Extraction. Solvent Extraction Processes. Surfactant Extraction Processes. Electrochemical Remediation. Solidification/Stabilization Processes. Bioremediation. Case Study. Glossary. References and Suggested Reading. Index
Sommario/riassunto	The new social and economic era calls for integration of ecology and economy in a system of cause and effect. The central element in this shift is <IT>sustainable development.</IT> Fundamental to the achievement of sustainable development is the requirement for environmentally responsible waste management and restoration of the environment. Solutions to the complex problems confronted by waste management and environmental restoration industry are currently handled by the <IT>geoenvironmental engineering</IT> profession that needs a good background in soil biology, chemistry, mechanics, mineralogy, and physics. In recognition of this need, this book

summarizes relevant aspects of various soil physics, mineralogy, and chemistry as well as the chemistry of pollutants. This treatment will provide sufficient background to students and practicing engineers to enable them to think about how to approach waste management and environmental restoration problems
