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Summary; 3.13 Internet Resources; Chapter 4: Decision Making, Risk, and Uncertainty; 4.1 Introduction; 4.2 Risk; 4.3 International Guidance Document Commonalities; 4.4 Summary
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7.3 Analysis and Assessment of Data7.4 Data Presentation; 7.5 Data Interpretation; 7.6 Decision-Making Process; 7.7 Summary; 7.8 Internet Resources; Chapter 8: Additional Key Issues and Future Research Needs; 8.1 Introduction; 8.2 Slope Stability and Failure; 8.3 Tailings Impoundments; 8.4 Subsidence; 8.5 Mine Openings; 8.6 Climate Change; 8.7 Sampling and Monitoring in Other Countries; 8.8 Future Research Needs and Topics; Index; Appendix 1: Selected Online Resources for Sampling, Monitoring, and Analytical Chemistry Methods; Appendix 2: Summary of Selected ASTM Methods
Appendix 3: Summary of Field Sampling and Analytical Methods with BibliographyAppendix 4: Examples of Sampling Plans and Quality Assurance Project Plans; Appendix 5: Case Studies of Sampling and Monitoring; Appendix 6: Applications and Examples of Geo-Environmental Models (GEMs)at Mine Sites; Back Cover

Sommario/riassunto

Sampling and Monitoring for the Mine Life Cycle provides an overview of sampling for environmental purposes and monitoring of environmentally relevant variables at mining sites. It focuses on environmental sampling and monitoring of surface water, and also considers groundwater, process water streams, rock, soil, and other media including air and biological organisms. The handbook includes an appendix of technical summaries written by subject-matter experts that describe field measurements, collection methods, and analytical techniques and procedures relevant to environmental sampling and monitoring.
