SME Handbook Addresses Modeling for Mine Site Remediation

Latest in the series of six volumes

The Society for Mining, Metallurgy & Exploration (SME) is pleased to announce the availability of the fourth in a series of six volumes on the Management Technologies for Metal Mining Influenced Water. *Geochemical Modeling for Mine Site Characterization and Remediation* describes the important components of hydrogeochemical modeling for mine environments, primarily those mines where sulfide minerals are present — metal mines and coal mines. The series addresses technologies for management of metal mine and metallurgical process drainage.

This handbook provides general guidelines on the strengths and limitations of geochemical modeling and an overview of its application to the hydrogeochemistry of both unmined mineralized sites and those contaminated from mineral extraction and mineral processing.

Hydrologic modeling is also included because mining contaminants most often migrate by surface water and groundwater transport, and contaminant concentrations are a function of water residence time as well as pathways.

This is an indispensable resource for mine planners and engineers, environmental managers, land managers, consultants, researchers, government regulators, nongovernmental organizations, students, stakeholders, and anyone with an interest in mining influenced water.

The handbook can now be ordered from the SME Bookstore at [www.smenet.org/store](http://www.smenet.org/store), order No. 353-3, and is available as an eBook at [www.smenet.org/ebooks](http://www.smenet.org/ebooks).

Other handbooks in the series are *Basics of Metal Mining Influenced Water; Mitigation of Metal Mining Influenced Water; Mine Pit Lakes: Characteristics, Predictive Modeling, and Sustainability; Techniques for Predicting Metal Mining Influenced Water; and Sampling and Monitoring for the Mine Life Cycle.*

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SME is a professional society (nonprofit 501(c)(3) corporation) whose members represent all professions serving the mining, minerals and underground construction industries in more than 100 countries. SME members include engineers, geologists, metallurgists, educators, students and researchers. SME advances the worldwide minerals community through information exchange and professional development.

For more information, contact Jackie Dorr, Communications Manager, 303-948-4244 or dorr@smenet.org.

*SME exists to be the premier resource and advocate for the mining community.*

For further details, see [www.smenet.org](http://www.smenet.org)