

## Additional Resources

### **Global Acid Rock Drainage (GARD) Guide**

[http://www.gardguide.com/index.php/Main\\_Page](http://www.gardguide.com/index.php/Main_Page)

The development of the Global Acid Rock Drainage (GARD) Guide is sponsored by International Network Acid Prevention (INAP) with the support of the Global Alliance. The GARD Guide was created through the contributions of many individuals and organizations. The GARD Guide deals with the prediction, prevention and management of drainage produced from sulfide mineral oxidation, often termed “acid rock drainage” (ARD). It also addresses metal leaching caused by sulfide mineral oxidation. The Guide is intended as a state-of-the-art summary of the best practices and technology to assist mine operators and regulators to address issues related to sulfide mineral oxidation.

### **Mine Environment Neutral Drainage (MEND) Program**

Natural Resources CanadaCanada

<http://www.nrcan.gc.ca/mms-smm/tect-tech/sat-set/med-ndd-eng.htm>

“Through the Mine Environment Neutral Drainage (MEND) Program, Canadian mining companies and provincial/territorial and federal departments have reduced the liability due to acidic drainage by at least \$400 million. This is an impressive return on an investment of \$17.5 million over eight years.

Acidic drainage is recognized as the largest environmental liability facing the mining industry and, to a lesser extent, the public through abandoned mines. MEND was implemented to develop and apply new technologies to prevent and control acidic drainage. Tremendous progress has been made. The target is for new mines to open without long-term concerns about acidic drainage upon closure.”

### **Superfund Lead-Contaminated Residential Sites Handbook**

United States Environmental Protection Agency, Office of Emergency and Remedial Response, OSWER 9285.7-50, August 2003

<http://www.epa.gov/superfund/lead/products/handbook.pdf>

This Superfund Lead-Contaminated Residential Sites Handbook was developed by the U.S. Environmental Protection Agency (EPA) to promote a nationally consistent decision-making process for assessing and managing risks associated with lead-contaminated residential sites across the country. The primary audience for this risk management document is EPA Superfund project managers working on the characterization and cleanup of lead-contaminated residential sites; however, others may also find it useful. While this Handbook is not intended to apply to lead-contaminated commercial or industrial properties, other non-residential areas, or sites with ecological risks, some of the concepts may be useful for such properties. Addressing lead-contaminated properties at federal facilities requires a different approach, and this Handbook provides a special section (Section 8) on addressing this universe of sites.

### **Management Technologies for Metal Mining Influenced Water— Mitigation of Metal Mining Influenced Water (Volume 2)**

Gusek, James J. and Figueroa, Linda A. 2009. Society for Mining, Metallurgy, and Exploration, Inc.

<http://www.smenet.org>

“The Mitigation and Metal Mining Influenced Water is the “how to fix it” volume in a series of six handbooks on technologies for management of metal mine and metallurgical process influenced water. The other five handbooks in the Management Technologies for Metal Mining Influenced Water series are *Basics of Metal Mining Influenced Water*; *Mine Pit Lakes: Characteristics, Predictive Modeling, and Sustainability*; *Geochemical Modeling for Mine Site Characterization*

*and Remediation; Techniques for Predicting Metal Mining Influenced Water: and Sampling and monitoring for the Mine Life Cycle.*

These handbooks describe the technical aspects of sampling, monitoring, mitigation, and prediction programs of the mine life cycle. The audience for these technical handbooks includes planners, regulators, consultants, land managers, researchers, students, stakeholders, and anyone with an interest in mining influenced water.”