



# ITRC General Guidance Information

## Product Announcement (October 2010)

### *Mining Waste Treatment Technology Selection*

New **Web-based** technical and regulatory guidance document from ITRC helps regulators, consultants, industry, and stakeholders select an applicable technology, or suite of technologies, which can be used to remediate mining sites. These technologies may also be applicable to other sites.

Through a series of questions, decision trees guide users to a set of treatment technologies that may be applicable to a particular site situation. Each technology is described, along with a summary of the applicability, advantages, limitations, performance, stakeholder and regulatory considerations, and lessons learned. Each technology overview links to case studies where the technology has been implemented.



## Background

Historic mining practices and the absence of routine reclamation, remediation, and restoration have led to legacy sites with significant environmental and human health impacts. Contaminants from unreclaimed or unremediated areas have affected millions of acres of land and over 10,000 miles of streams. New mining operations continue to produce millions of tons of material each year that must be addressed during and after the actual mining operation. Conventional remedial solutions are often lengthy, expensive, and unacceptable to the regulated and regulatory communities, as well as to the public.

This ITRC Web-based “Mining Waste Technology Selection” site can assist users in selecting an applicable technology, or suite of technologies, which can be used to remediate mining or other applicable sites.

## Benefits

- ▶ Quick, Web-based tool to work through decision trees and to identify appropriate technologies
- ▶ Applies to all potentially affected media
- ▶ Includes technology overviews
- ▶ Access to case studies
- ▶ Describes potential regulatory constraints
- ▶ Applicable information for state, federal, industry, and stakeholders
- ▶ Helps streamline/expedite review process
- ▶ Reference tool for new personnel

## Resources

### Technical and Regulatory Guidance

The Web-based technical and regulatory guidance document is located at the following URL:  
[www.itrcweb.org/miningwaste-guidance](http://www.itrcweb.org/miningwaste-guidance)

## Training

ITRC has developed a FREE two-hour Internet-based training course for this product. The training starts with background information regarding mining issues, then outlines the guidance, including technology overviews, decision trees, case studies, and regulatory issues. Two case studies are included to demonstrate the use of the guidance to select technologies. The first session of the training is scheduled **December 7, 2010**.

ITRC's Internet-based training courses assist potential users of the ITRC guidance document to understand when and how to use the document and the associated technology and/or approach. Participants can take the training "live" from the comfort of their own office or access archives of past classes at their convenience. Through ITRC's partnership with U.S. EPA's Technology Innovation Program, ITRC delivers training courses via the Internet to reach a geographically dispersed audience of regulators, consultants, industry, and other members of the environmental community. The training covers technical and regulatory information specific to environmental technologies and innovative approaches, and is supported by consensus-based ITRC guidance documents.

**Cost:** Sponsored by ITRC and EPA with no cost for the participant

**Registration:** <http://clu-in.org/studio/seminar.cfm> (opens 4–6 weeks prior to class date)

**Associated guidance documents:** Available from [www.itrcweb.org](http://www.itrcweb.org)

If you have questions after completing the online registration, call (402) 201-2419 or send an e-mail to [training@itrcweb.org](mailto:training@itrcweb.org).

### Contacts

Mining Waste Team Leaders:

Cheri Baysinger, Missouri Department of Health and Senior Services  
[cheri.baysinger@dhss.mo.gov](mailto:cheri.baysinger@dhss.mo.gov), (573) 751-6102

Paul Eger, Minnesota Department of Natural Resources  
[paul.eger@state.mn.us](mailto:paul.eger@state.mn.us), (651) 259-5384



ITRC is affiliated with  
the Environmental  
Council of the States



## Regulatory Acceptance for New Solutions

Documents, free Internet-based training, contact information

[www.itrcweb.org](http://www.itrcweb.org)