



## TIPS

Technical Innovation  
and Professional  
Services



# TIPS Training

The Technical Innovation and Professional Services (TIPS) Training Program is a collaborative effort between Office of Surface Mining (OSM), the States, and Tribes. The tools that TIPS provides to State, Tribal, and Federal offices ensure that all agencies with Surface Mining Act responsibilities are using the same advanced technology tools to conduct the business required by the Act. But TIPS does not just provide quality tools, TIPS also provides specialized training to use these tools in mining and reclamation. TIPS maintains specialized training centers in all three OSM Regions; Denver, CO; Alton, IL; and Pittsburgh, PA.

Each training center is equipped with state-of-the-art equipment to train State, Tribal, and Federal personnel in the use of the TIPS tools. And just as TIPS is a collaborative effort between OSM, the States, and Tribes, so too is the TIPS Training Program. Fifty percent of TIPS Instructors are from State programs.

Although most of the TIPS tools are off-the-shelf applications, the TIPS Training is tailored exclusively to mining and reclamation uses; this kind of tailored training can be found nowhere else. Twenty-six instructor-led courses incorporate the reclamation experience of its instructors and students to provide a unique shared training experience. Fifty-eight on-line courses provide students with just-in-time training and prepare the learner for the TIPS instructor-led GIS, Remote Sensing, and Mobile Computing classes.

## TIPS Core Software

- **Hydrology**
  - AMDTreat
  - AQTESOLV
  - AquaChem
  - The Geochemist Workbench
  - GMS-Groundwater Modeling System
  - Groundwater Vistas
  - HEC-RAS
  - RUSLE
  - SEDCAD
- **Geology & Engineering**
  - Autodesk Map
  - Autodesk Raster Design
  - Blast Log Evaluation Program (BLEP)
  - Earth Vision
  - Galena
  - Planimeter
  - Surface Deformation Prediction System (SDPS)
- Statgraphics
- StratiFact
- SurvCADD
- **Geospatial**
  - ARCGIS
  - ArcPad
  - ArcView
  - ERDAS Imagine
  - Image Analysis for ArcGIS
  - PathFinder Office
  - Stereo Analyst for ArcGIS
  - TerraSync
- **Training Contact:**  
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You will find additional training information at our website: <http://www.osmre.gov/training/index.asp>