

Annual Western Region Technical Team Meeting



Hilton

Santa Fe, New Mexico

April 22 – 24, 2008

OPENING REMARKS

Dave Clark

Ecologist

New Mexico Energy, Minerals and Natural Resources Department (NMEMNRD)

Louis Hamm

Chief TIPS and Technology Transfer Branch

Office of Surface Mining Reclamation and Enforcement (OSM)

REMOTE SENSING WORKSHOP

Dianne Osborne, Physical Scientist, OSM

Janine Ferarese, Physical Geographer, OSM

Lukus Monette, Physical Geographer, OSM

Concepts of Remote Sensing

Principles of remote sensing including the electromagnetic spectrum, spectral signatures, image processing and image classification.

Types of Aerial Photography and Imagery

Types of available remotely sensed data will be discussed including satellite imagery, aerial photography, LiDAR, and IFSAR.

Who Provides Imagery? What does it cost?

Types of imagery commercial companies and federal agencies provide.
What does imagery cost?

Factors to Consider when Ordering Imagery

How to Determine the type of imagery needed.
What characteristics of imagery are needed?
What factors will be required for an application prior to ordering imagery.

How do you get Imagery?

Discussion and demonstration of the different ways to access imagery.
http://www.tips.osmre.gov/tips_html/data_miner_intro.html

Partnerships

The importance of partnerships in remote sensing project development, funding, and application.

Remote Sensing Applications for SMCRA Title IV and V

On-going remote sensing use for SMCRA decision making and prototype projects.

Ideas for Increased Remote Sensing Support and Prototype Applications for SMCRA Title IV and V

Break-out sessions for brainstorming of ideas.
Identify needs not currently being met, applications to implement, and new projects to consider.

"What's New" on the NTTT website

Paul Clark, Technology Coordinator, OSM

Review of Western Region Technology Transfer Activities

1. Review WRTT Charter, Recommendations for Changes.
2. What skill sets the WRTT would like to see OSM acquire as the agency replaces retiring employees?
3. Brainstorm "hot topics" for discussion over the next year.
4. Applied Science Cooperative Agreement Selection process.
5. WRTT Teleconference Schedule.
6. Questions? Comments?

Field Trip to Cerrillos Hills
Dave Clark, NMEMNRD