

NATIONAL TECHNOLOGY TRANSFER TEAM  
MEETING SUMMARY

October 5, 2011

1:00 – 1:40 PM Central Time

Participants

AR – Arielle Avishai, **Jeff Trump**, David Lane, **Ken Eltschlager**

HDQ – Steve Sheffield, Josh Rockwell, Li Tai Balboa

MCR – **Kimery Vories** (Team Leader)

WR – **Duane Matt**

TIPS – Lou Hamm

NTTP – Sarah Donnelly, **Tom Hines**

IMCC – **Greg Conrad**

WEIB – **Dave Berry**

NAAMLTP – John Koerth

Attendees in **Bold**

APPLIED SCIENCE CONSENSUS MEETING IN SAN ANTONIO, TX  
FEBRUARY 14-15, OR 15-16??? PLEASE ADVISE KIM ASAP OF ANY  
CONFLICTS!!!

WR Report

- Henry Austin is still in charge of the **booth at NAAMLTP**. He has finished coordination on that booth, sent off the materials, and is having Ginger Kaldenbach set up the booth. Please call Henry with any additional questions concerning the booth.
- The **In-Situ Processing team** (team leader- Duane Matt) held a workshop in Denver, CO September 20<sup>th</sup>-21<sup>st</sup>. The purpose of the meeting was to educate all Western federal offices/states/tribes on the topic of in-situ coal mining. This group is tasked with the creation of a set of guidelines pertaining to the regulation of in-situ coal mining. The technology transfer group will distribute these guidelines pertaining to this type of mining upon completion of these guidelines.

MCR Report

- **Ohio State University CCB Research** – OSU is working on securing the permit for the high-volume FGD gypsum demo project near Conesville power plant of AEP. Placement of FGD gypsum is expected to begin in late summer or early fall. Background monitoring is in progress.
- **EPA CCR Rulemaking** – EPA published its proposed rule on June 21, 2010 on regulating CCR landfills and impoundments. OSM was officially given the lead on mine placement. EPA has defined mine filling as pertaining only to coal mining. EPA comment period ended November 19, 2010. Will not publish in 2011. The U.S. Environmental Protection Agency has published a copy of its forthcoming Notice of Data Availability (NODA). The document can be accessed here: <http://www.epa.gov/epawaste/nonhaz/industrial/special/fossil/ccr-rule/noda.pdf>. Late last week, the White House released the document for publication. As expected, the NODA contains “information (that) is generally categorized as: (1) Chemical constituent data

from coal combustion residuals (CCRs); (2) Facility and waste management unit data; (3) Information on additional alleged damage cases; (4) Adequacy of State programs; and (5) Beneficial Use. In addition, EPA is considering a variety of possible approaches to update and enhance the risk assessment and the regulatory impact analysis (RIA) supporting the development of the final rule.” It also seeks comments on numerous additional “damage cases” and “gaps in state government regulatory programs” alleged by environmental groups during the previous public comment period.

- **OSM CCR Rulemaking-** Work is progressing on revising the 2008 proposed rule and the environmental assessment.
- **MCR Natural Stream Design (NSD) Workshop:** Working on making a webinar on the event available on the Web.
- **MCR AML Drilling and Grouting Class:** Based on a survey of the MCR states, there are 20-21 state staff that would participate in an NTTP AML Drilling and Grouting Class taught in one of the MCR states. NTTP has scheduled the class for Indianapolis in February.
- **The 2010 Bat Forum proceedings** is not available on the MCR tech transfer CD and on the MCR website.
- **Technical Studies Project Management Conference Call** We are trying to organize a call for technical staff who administer Applied Science, mine map, and geosciences projects.

#### AR Report:

- During the ARTT Meeting held at Stonewall Jackson, Roanoke, WV, the following items were discussed: Lee Daniels (VA TECH): Reviewed one of the **Applied Science Projects** on active surface mines-focused on which materials needed to prevent AMD, optimal revegetation substrates, and TDS components released.-where TDS came from-Acid Based Reactions-sulfide oxidation and carbonate neutralizations reactions, background of carbonation reactions and hydrolysis of principle minerals. He is looking at 6 programmatic areas:
  - Assessment of mining impacts on ecosystems health/diversity (WVU/Zimciewicz)
  - Treatment/minimumizational constituent discharges (VT/Craynon)
  - Accurate prediction of constituent releases by overburden and refuse (VT-Daniels)
  - Overburden handling plans/fill designs to minimize release (UK/Warner)
  - Next generation designed of eco-friendly mining systems
  - Evaluating /optimization the impacts of mining/community well-being (Leads TBA + Funding+public data/no internal censorship.

This will be a five year commitment!

- As the Team reviewed **several options of having a workshop**-several topics were discussed-including in no particular order at this time: Stream Protection Rule-compliance issues workshop Post Mining Discharges-Long Term Treatment Marcellus Shale Drilling/Pillar Permits/Mineral Rights/Water Issues Water Issuance/Usage Permits Coal Issues Workshop Benchmarks Oil/Gas vs. Coal Density of Pads Groundwater Protection Monitoring Programs TDS Clean Water Act

- Tonya Mullins gave an **update on TIPS**: She gave a handout and presentation/update of what TIPS is doing for the States and Federal Gov't.
  - Remote Sensing project ongoing. Problem is limited data that is useful. CANNOT be used for enforcement. Free imagery is still available.
  - GEO Mine-National robust database. . KY, WV, VA TN-all contributing to cloud. Does have internet accessibility.
  - Equipment has been purchased and can be signed out by States or tribes on as needed basis from Eric Perry as well as two thermal cameras that can be signed out from Duane Matt. Bill Ehler also has a couple of gas meters available to be signed out.

#### NTTP Report

- **NTTP 2012 space allocation** and schedule is being finalized and will be mailed to training contacts within the week.
- The initial courses are special sessions of **Coal Field Communications** – VA and **Effective Writing** - Navajo Nation; as they are less ‘coordinator’ staff intensive. The **AML Design Workshop: Subsidence** 10/24-27/2011 is the first class rescheduled from September 2011.
- The new **Mine Gas Workshop** will be conducting a dry run November 14-15, 2011.
- The **NTTP welcomed Karen Smalls** to the staff last month as a course coordinator. We are currently working on filling two other course coordinator positions. This will complete the filling of those vacancies left by retirements and promotions.
- NTTP participated in the **Appalachian Regional Technology Transfer Team** meeting the week of September 20-22 in Roanoke, WV and provided an update on the NTTP activities for FY11. Several Applied Science Project reports were presented during the meeting.
- An **Impoundments Course** discussion meeting is scheduled for December 6-7 in Charleston, WV.

#### HEADQUARTERS Report

No Headquarters representative.

#### TIPS Report

No TIPS representative

#### IMCC Report

- IMCC continues work on its next **benchmarking workshop on mine mapping**. A survey has been sent to all potential state and federal agency attendees regarding the format and agenda items for the workshop. Responses are due to IMCC by October 15, after which the Steering Committee will decide about the specific direction and presentations for the workshop.
- IMCC’s **Mid-Year meeting** is scheduled for October 18 and 19 in Point Clear, AL, at which several topics will be discussed including the recent deficit reduction proposals on AML, the FY 2012 budget, and technical issues regarding water quality, stream protection and geomine.

### WEIB Report

- WIEB continues coordination with IMCC on multiple oversight policy and funding issues

### NAAML P Report

- 2011 NAAML P **Annual Conference**. October 9-12, 2011. Olympic Valley, California (Squaw Valley/Tahoe area). “The Gold and Silver States – the Legacy of Mining that Built the West.” Conference will be jointly hosted by California and Nevada AML programs. Conference tours will include AML sites in both California and Nevada. Call for papers has closed and conference planning is progressing. For information: [http://naamlp.net/2011\\_conference/main.htm](http://naamlp.net/2011_conference/main.htm)

### Exhibit Schedule

The following is the current OSM exhibits planned for the calendar year 2010.

- TAMU Surface Mining & Reclamation Workshop, College Station, TX October 6-7, 2011 by MCR
- NAAML P Annual Meeting Olympic Valley, CA October 9-12, 2011 by WR
- ISMR Jasper, IN December, 2011 by MCR

Next conference call will take place **at 1 PM Central Time, December 8, 2011.**