

**MEETING SUMMARY  
MCR TECHNOLOGY TRANSFER TEAM  
STEERING COMMITTEE CONFERENCE CALL**

DATE: **January 12, 2009**  
TIME: 10:00 AM to 10:30 AM CST

**ATTENDEES: In Bold**

Alabama AML: Larry Barwick, Michael Vinson  
Alabama Surface Mining: Randall Johnson  
Arkansas Mining Division: **Greg Melton, Wayne Van Buren**  
Illinois Office of Mines and Minerals: Dean Spindler  
Illinois AML: **Larry Lewis**  
Indiana Division of Reclamation: Todd Huff  
Indiana AML: **Marvin Ellis, Laura Montgrain**  
Iowa Mining and Minerals Bureau: Judith Kresbach  
Kansas Surface Mining Section: Tim Wilson, Marlene Spence, Murray Balk  
Louisiana Injection and Mining Division: Dale Berquist  
Mississippi Coal Mining Division: **Stan Thieling**, Lonnie Barrier, Mike Bograd  
Missouri Land Reclamation Program: **Larry Teson**  
Oklahoma AML: Mike Sharp  
Oklahoma Department of Mines: **Tekleab Tsegay**, Goran Randinovick  
Texas Mining and Reclamation Division: Mark Schlimgen  
OSM MCR: **Kimery Vories, Nick Grant**  
OSM BFO: Sherry Wilson  
OSM TFO: Al Clayborne  
OSM IFO: Andrew Gilmore

***Significant updates in bold italics***

**Larry Lewis & Laura Montgrain AMD Workshop 2010 Update** April 13-14, 2010 Evansville IN. Registration underway with currently 3-4 registered. Status of travel assistance has not been promising so far although we are still looking travel support for 6 state staff members. Transportation will be provided to the field sites and from the hotel to the meeting room. Illinois staff will have to stay on the Illinois side overnight and commute to the meeting room each day. Each day will include part of each day in the field & classroom. Field transportation will be provided. Theme will emphasize passive treatment bio-reactors. Program and Registration Info has been e-mailed. Send registration forms to Nick Grant.

**State Specific Tech Transfer Workshops** MCR is interested in providing State specific tech transfer workshops. Some interest has been expressed in topics such as natural stream design, geomorphic reclamation, and longwall mining. **Nick Grant** has prepared a survey on geomorphic reclamation and natural stream design to determine the level of activity and interest in the MCR for both active mining and AML. I would like to have each state provide a response to the survey and some states will need to provide an AML response and an active mining response.

**ONGOING EFFORTS**

- 1. EPA CCB proposed rule to OMB on landfills and impoundments. OSM sent comments to OMB November 9. See Comments to OMB from Congressional Representatives, States,**

*Governors, Transportation Agencies, Labor, Tribal etc. at*  
<http://www.uswag.org/ccbletters.htm>

2. **OSM CCB Rulemaking** This rulemaking will probably be on hold until EPA completes its rulemaking.
3. **Applied Science FY 2010. Solicitation was posted on the NTTT Website at** <http://amd.osmre.gov/ttcalroot/AppliedScience.aspx>. **October 1, 2009. Deadline January 15, 2010.**
4. **Protecting Threatened Bats at Coal Mines Forum.** The steering committee is planning for a forum to be held August 31-Sept 3 of 2010 in Charleston, WV with a full day field trip and a 2.5 day forum. Advertisement of the event has begun and on line registration is available.
5. **American Society of Mining and Reclamation (ASMR) Annual Meeting** –The AR staff will be the hosts in Pittsburgh, PA in 2010. ASMR is working with NAAMLPA to try and develop joint efforts that benefit both organizations.
6. The new **OSM Technology Transfer Website** is a work in progress and can be accessed at [www.techtransfer.osmre.gov](http://www.techtransfer.osmre.gov). or by going to the MCR website at [www.mcrcc.osmre.gov](http://www.mcrcc.osmre.gov) and under the Links list clicking on “NT<sup>3</sup> OSM Technology Transfer.” *Please visit the applied science page to view final reports for past projects.*
7. **Next Conference Call** will be scheduled for **March 17, 2010** at 10 AM CST.

**MEETING SUMMARY  
MCR TECHNOLOGY TRANSFER TEAM  
STEERING COMMITTEE CONFERENCE CALL**

DATE: **March 17, 2010**  
TIME: 10:00 AM to 10:30 AM CDT

**ATTENDEES: In Bold**

Alabama AML: Larry Barwick, Michael Vinson  
Alabama Surface Mining: Randall Johnson  
Arkansas Mining Division: **Greg Melton, Wayne Van Buren**  
Illinois Office of Mines and Minerals: Dean Spindler  
Illinois AML: Larry Lewis  
Indiana Division of Reclamation: Todd Huff  
Indiana AML: Marvin Ellis, **Laura Montgrain**  
Iowa Mining and Minerals Bureau: Judith Kresbach  
Kansas Surface Mining Section: **Tim Wilson**, Marlene Spence, Murray Balk  
Louisiana Injection and Mining Division: Dale Berquist  
Mississippi Coal Mining Division: **Stan Thieling**, Lonnie Barrier, Mike Bograd  
Missouri Land Reclamation Program: Larry Teson  
Oklahoma AML: Mike Sharp  
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Texas Mining and Reclamation Division: Mark Schlimgen  
OSM MCR: **Kimery Vories, Nick Grant**  
OSM BFO: Sherry Wilson  
OSM TFO: Al Clayborne  
OSM IFO: Andrew Gilmore

**Significant updates in bold italics**

**Larry Lewis & Laura Montgrain AMD Workshop 2010 :** April 13-14, 2010 Evansville IN. Registration underway with currently 40 registered. Agenda is in eastern daylight time. Need to notify everyone of the “peculiarity” of Indiana time. Transportation will be provided to the field sites and from the hotel to the meeting room. Illinois staff will have to stay on the Illinois side overnight and commute to the meeting room each day. Each day will include part of each day in the field & classroom. Field transportation will be provided. 15 passenger vans. Theme will emphasize passive treatment bio-reactors. Program and Registration Info has been e-mailed. Send registration forms to Nick Grant.

**Natural Stream Design Workshops:** **Nick Grant** has prepared a survey on geomorphic reclamation and natural stream design to determine the level of activity and interest in the MCR for both active mining and AML. The Steering committee includes state, industry and academic representatives primarily from IL and IN. The next call will be March 23 at 10 AM please contact Nick Grant and join if interested. The event is currently being planned for May or June of 2011. OSM has just published the proceedings of the “Geomorphic Reclamation and Natural Stream Design at Coal Mines.” Please let me know if you need a copy.

**ONGOING EFFORTS**

1. **EPA CCB proposed rule to OMB on landfills and impoundments.** *EPA has announced that they will have a proposed rule out by mid April. No word on the hazardous waste designation.*
2. **OSM CCB Rulemaking** This rulemaking will probably be on hold until EPA completes its rulemaking.
3. **Applied Science FY 2010. The ranking process has just been completed. Thanks to all of the reviewers who provided input. 22 of the 46 proposals have been selected for full technical scoring. The results of the MCR ranking are:**

41 Narwot - Stream Restoration - Long Term Performance A Reassessment

17 Smith - Evaluation of the Effect of Humic Acid upon Limestone Dissolution and Redox Reactions in Open Limestone Channels, Anoxic Limestone Drains, and Sulfate Reducing Bioreactors

39 Bonta - Assessment of Changes in Hydrology and Water Quality in Reclaimed Watersheds and Probabilistic Thresholds for Aquatic Organisms

42 Lefticariu - Improved sulfate-reducing bioreactors for the remediation of high total dissolved solids drainage associated with coal mining and processing in the U.S.

43 Bayless - Gas-Flow Models To Understand, Prevent And Remediate CO2 Intrusion Into Private Homes Constructed On Reclaimed Coal Spoils

4. **Protecting Threatened Bats at Coal Mines Forum.** The steering committee is planning for a forum to be held August 31-Sept 3 of 2010 in Charleston, WV with a full day field trip and a 2.5 day forum. Advertisement of the event has begun and on line registration is available.
5. **American Society of Mining and Reclamation (ASMR) Annual Meeting** –The AR staff will be the hosts in Pittsburgh, PA in 2010. ASMR is working with NAAMLPA to try and develop joint efforts that benefit both organizations.
6. The new **OSM Technology Transfer Website** is a work in progress and can be accessed at [www.techtransfer.osmre.gov](http://www.techtransfer.osmre.gov). or by going to the MCR website at [www.mcrcc.osmre.gov](http://www.mcrcc.osmre.gov) and under the Links list clicking on “NT<sup>3</sup> OSM Technology Transfer.” *Please visit the applied science page to view final reports for past projects.*
7. **Next Conference Call** will be scheduled for **May 11, 2010** at 10 AM CDT.

**MEETING SUMMARY  
MCR TECHNOLOGY TRANSFER TEAM  
STEERING COMMITTEE CONFERENCE CALL**

DATE: **May 25, 2010**  
TIME: 10:00 AM to 10:30 AM CST

**ATTENDEES: In Bold**

Alabama AML: Larry Barwick, Michael Vinson  
Alabama Surface Mining: Randall Johnson  
Arkansas Mining Division: Greg Melton, Wayne Van Buren  
Illinois Office of Mines and Minerals: Dean Spindler  
Illinois AML: Larry Lewis  
Indiana Division of Reclamation: Todd Huff  
Indiana AML: Marvin Ellis, Laura Montgrain  
Iowa Mining and Minerals Bureau: Judith Kresbach  
Kansas Surface Mining Section: **Tim Wilson**, Marlene Spence, Murray Balk  
Louisiana Injection and Mining Division: Dale Berquist  
Mississippi Coal Mining Division: **Stan Thieling**, Lonnie Barrier, Mike Bograd  
Missouri Land Reclamation Program: Larry Teson  
Oklahoma AML: Mike Sharp  
Oklahoma Department of Mines: Tekleab Tsegay, Goran Randinovick  
Texas Mining and Reclamation Division: Mark Schlimgen  
OSM MCR: **Kimery Vories**, Nick Grant  
OSM BFO: Sherry Wilson  
OSM TFO: Al Clayborne  
OSM IFO: Andrew Gilmore

**Significant updates in bold italics**

**Larry Lewis & Laura Montgrain AMD Workshop 2010:** April 13-14, 2010 Evansville IN.  
Working on developing a CD with power point and papers and also working on placing the same on the OSM MCR Website.

**Natural Stream Design Workshops:** **Nick Grant** has prepared a survey on geomorphic reclamation and natural stream design to determine the level of activity and interest in the MCR for both active mining and AML. The Steering committee includes state, industry and academic representatives primarily from IL and IN. The event is currently being planned for May or June of 2011. The team is looking at field sites and meeting locations in IN and IL. OSM has published the proceedings of the "Geomorphic Reclamation and Natural Stream Design at Coal Mines." Please let me know if you need a copy.

**White-Nose Syndrome:** As of April 28, 2010, biologists within the states of NY, VT, NJ, PA, VA, WV, TN, and MO had confirmed (or suspected) the presence of *Geomyces destructans*/White-Nose Syndrome (WNS) within a minimum of 30 Indiana bat hibernacula (Andy King USFWS)

From 2007 to 2009, the overall Indiana bat population declined by approximately 17% (approx. loss of 80,346 bats). This is the first observed decline since 2001. During the three previous biennial survey periods from 2001-2003, 2003-2005 and 2005-2007, the rangewide population had increased

by 10.8%, 16.9%, and 10.1%, respectively. Between 2007 and 2009, it appears the increasing trend stopped and the overall population began to decline (Andy King USFWS).

### **ONGOING EFFORTS**

1. **EPA CCB proposed rule to OMB on landfills and impoundments.** *EPA has published a proposed rule with two possible options, either under Subtitle C hazardous waste or Subtitle D solid waste. The comment period will be open for 90 days. They officially give OSM the lead on mine placement.*
2. **OSM CCB Rulemaking** Should be hearing something soon on direction from OSM for a CCB specific proposed rule.
3. **Applied Science FY 2010. The scoring process is complete. The results of the scoring have been communicated to OSM management. The decision on funding has been delayed until June 25.**
4. **Protecting Threatened Bats at Coal Mines Forum.** The steering committee is planning for a forum to be held August 31-Sept 3 of 2010 in Charleston, WV with a full day field trip and a 2.5 day forum. Advertisement of the event has begun and on line registration is available. 45 participants registered.
5. **American Society of Mining and Reclamation (ASMR) Annual Meeting** –The AR staff will be the hosts in Pittsburgh, PA in 2010. ASMR is working with NAAMLPLP to try and develop joint efforts that benefit both organizations. Expecting about 300 participants.
6. The new **OSM Technology Transfer Website** is a work in progress and can be accessed at [www.techtransfer.osmre.gov](http://www.techtransfer.osmre.gov). or by going to the MCR website at [www.mcrcc.osmre.gov](http://www.mcrcc.osmre.gov) and under the Links list clicking on “NT<sup>3</sup> OSM Technology Transfer.” *Please visit the applied science page to view final reports for past projects.*
7. **Next Conference Call** will be scheduled for **July 8, 2010** at 10 AM CST.

**MEETING SUMMARY  
MCR TECHNOLOGY TRANSFER TEAM  
STEERING COMMITTEE CONFERENCE CALL**

DATE: **July 8, 2010**  
TIME: 10:00 AM to 10:15 AM CDT

**ATTENDEES: In Bold**

Alabama AML: Larry Barwick, Michael Vinson  
Alabama Surface Mining: Randall Johnson  
Arkansas Mining Division: **Greg Melton, Wayne Van Buren**  
Illinois Office of Mines and Minerals: Dean Spindler  
Illinois AML: **Larry Lewis**  
Indiana Division of Reclamation: Todd Huff  
Indiana AML: Marvin Ellis, Laura Montgrain  
Iowa Mining and Minerals Bureau: Judith Krebsbach  
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Oklahoma AML: Mike Sharp  
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Texas Mining and Reclamation Division: **Mark Schlingen**  
**OSM MCR: Kimery Vories, Nick Grant**  
OSM BFO: Sherry Wilson  
OSM TFO: Al Clayborne  
OSM IFO: Andrew Gilmore

**Significant updates in bold italics**

**MCR Natural Stream Design (NSD) Workshop:** A steering committee consisting of members from OSM, Illinois and Indiana program staff, Corps of Engineers, industry, and academia are developing a workshop exploring the unique nature and challenges of reclaiming streams in the Midwest. This three day event will take place May 17-19, 2011 in Mt Vernon, IL and will include field visits to stream restoration sites in Southern Illinois and Southwestern Indiana.

*According to OSM management, it is very unlikely that OSM will be able to provide State travel support to this event.*

**ONGOING EFFORTS**

- 1. EPA CCB proposed rule to OMB on landfills and impoundments. EPA has published a proposed rule June 21, 2010 with two possible options, either under Subtitle C hazardous waste or Subtitle D solid waste. The comment period has been extended to November 19, 2010.***
- 2. OSM CCB Rulemaking** OSM management is committed to a CCB rulemaking effort but it may be delayed until next year due to resource constraints.

- 3. Applied Science FY 2010.** OSM management has notified the top five scoring proposals of their desire to fund them either with year-end funding or with FY 2011 applied science funds. FY 2010 applied science funds are being used to support the EIS for the Stream Protection Rulemaking. **There will be no Applied Science solicitation in FY 2011. The next applied science solicitation will be FY 2012. The MCR technology transfer team needs to develop a High Priority Topic for FY 2012.** The **Underground Mine Mapping Program** will have a solicitation in FY 2011.
- 4. Protecting Threatened Bats at Coal Mines Forum.** The steering committee conducted a forum August 31-Sept 3 of 2010 in Charleston, WV with a full day field trip and a 2.5 day forum. There were 87 participants registered from a wide range of backgrounds. U.S. Fish and Wildlife stated that they have already received a petition to list two more bat species as endangered due to WNS impacts and are expecting more to follow.
- 5. Next Conference Call** will be scheduled for **November 9, 2010** at 10 AM CST.

**MEETING SUMMARY  
MCR TECHNOLOGY TRANSFER TEAM  
STEERING COMMITTEE CONFERENCE CALL**

DATE: **September 8, 2010**  
TIME: 10:00 AM to 10:15 AM CDT

**ATTENDEES: In Bold**

Alabama AML: Larry Barwick, Michael Vinson  
Alabama Surface Mining: Randall Johnson  
Arkansas Mining Division: **Greg Melton, Wayne Van Buren**  
Illinois Office of Mines and Minerals: Dean Spindler  
Illinois AML: **Larry Lewis**  
Indiana Division of Reclamation: Todd Huff  
Indiana AML: Marvin Ellis, Laura Montgrain  
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- 4. Protecting Threatened Bats at Coal Mines Forum.** The steering committee conducted a forum August 31-Sept 3 of 2010 in Charleston, WV with a full day field trip and a 2.5 day forum. There were 87 participants registered from a wide range of backgrounds. U.S. Fish and Wildlife stated that they have already received a petition to list two more bat species as endangered due to WNS impacts and are expecting more to follow.
- 5. Next Conference Call** will be scheduled for **November 9, 2010** at 10 AM CST.

**MEETING SUMMARY  
MCR TECHNOLOGY TRANSFER TEAM  
STEERING COMMITTEE CONFERENCE CALL**

DATE: **November 9, 2010**  
TIME: 10:00 AM to 10:15 AM CST

**ATTENDEES: In Bold**

Alabama AML: Larry Barwick, Michael Vinson

Alabama Surface Mining: Randall Johnson

Arkansas Mining Division: **Greg Melton, Wayne Van Buren**

Illinois Office of Mines and Minerals: **Dean Spindler**

Illinois AML: Larry Lewis

Indiana Division of Reclamation: Todd Huff

Indiana AML: Marvin Ellis, Laura Montgrain

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**Significant updates in bold italics**

**MCR Natural Stream Design (NSD) Workshop:** A steering committee consisting of members from OSM, Illinois and Indiana program staff, Corps of Engineers, industry, and academia are developing a workshop exploring the unique nature and challenges of reclaiming streams in the Midwest. This three day event will take place May 17-19, 2011 in Mt Vernon, IL and will include field visits to stream restoration sites in Southern Illinois and Southwestern Indiana. Information available on the internet at:

<http://www.techtransfer.osmre.gov/NTTMainSite/Initiatives/Geomorph/2011/Geomorphic2011.shm>

*According to OSM management, it is very unlikely that OSM will be able to provide State travel support to this event.*

**ONGOING EFFORTS**

- 1. EPA CCB proposed rule to OMB on landfills and impoundments. EPA has published a proposed rule June 21, 2010 with two possible options, either under Subtitle C hazardous waste or Subtitle D solid waste. The comment period has been extended to November 19, 2010.***

2. **OSM CCB Rulemaking** OSM management is committed to a CCB rulemaking effort but it may be delayed until next year due to resource constraints. Possible National forum “CCB Rulemaking for SMCRA Coal Mines” After OSM published its proposed rule, determine the impact of the regulatory changes on protection of the public and environment.
3. **OSM Stream Protection Rulemaking** OSM is internally reviewing the proposed rule which is projected to be published in February of 2011. The EIS for the proposed rule should be published around the same time.
4. **Applied Science FY 2010.** OSM management has notified the top five scoring proposals of their desire to fund them with FY 2011 applied science funds. **There will be no Applied Science solicitation in FY 2011.** The **Underground Mine Mapping Program** will have a solicitation in FY 2011. **The next applied science solicitation will be FY 2012. We are currently waiting for OSM to come up with a high priority topic.**
5. **Protecting Threatened Bats at Coal Mines Forum.** Currently working on the Proceedings for the forum and hope to have it published in early 2011. AR/MCR forum “Implementing the Final Indiana Bat Recovery Plan at SMCRA Coal Mines” Determine the impacts of the implementation of the Indiana bat guidance document, the final Indiana Bat Recovery Plan and the WNS on SMCRA permitting.
6. **Restoration of Stream Quality and Function at SMCRA Coal Mines** – A suggested topic for a national forum in 2012. Determine the state of the science on prediction of overburden quality to mine related stream pollution, determine the science of the impact of SMCRA mining to aquatic biology & T & E species by region, determine the science of stream water quality monitoring related to potential aquatic biology impact.
7. **Additional Tech Transfer Topics for Consideration:** (1) AR/MCR forum “*Impacts of Long Wall Underground Mining*” Evaluate the science and evidence of planned subsidence to structures and land use issues related to longwall mining; (2) AR/MCR forum “*Impacts of Injection into Underground Mines*” Evaluate the science and issues related to placement of coal refuse and other materials injected into underground mines.
8. **Next Conference Call** will be scheduled for **January 11, 2011** at 10 AM CST.