

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

DATE: **January 11, 2011**
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 Krebsbach

Kansas Surface Mining Section: **Tim Wilson**, Marlene Spence, Murray Balk

Louisiana Injection and Mining Division: Dale Bergquist

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 Schlingens**

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. 64 registered for the event to date. 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/Geomorph2011.shm>

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

OSM is working with SIUC on making CEUs available. Contact Nick Grant for details.

OSM is planning on facilitating participation in the talks on May 18 through the use of MS Live Meeting capabilities. We will also be working on making video available on the NTTT website of highlights of the field trip.

Please contact Nick Grant if your State wants to participate via the MS Live Meeting.

ONGOING EFFORTS

1. **EPA CCR 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 ended November 19, 2010.*
2. **OSM CCB Rulemaking** OSM management is committed to a CCB rulemaking effort in 2011. **SMCRA CCB Rulemaking: Planning for Implementation** – A topic for a national forum in 2012 or 2013. The forum would focus on implementation of the new OSM CCB specific regulations following rulemaking by OSM and EPA.
 - a. A steering committee currently exists.
 - b. Following the publication of OSM's proposed rule plan to conduct the forum within 12-18 months of that publication.
3. **OSM Stream Protection Rulemaking** OSM is internally reviewing the proposed rule which is projected to be published in mid-late April of 2011. The EIS for the proposed rule should be published around the same time.
4. **Applied Science FY 2010.** All of the top five scoring proposals have been funded with FY 2011 applied science funds. **There will be no Applied Science solicitation in FY 2011.** The **Underground Mine Mapping Program** may have a solicitation in FY 2011. **The next applied science solicitation may 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. **Protecting Endangered Bats at Coal Mines** – A topic for a national forum in 2013-2014. Determine the impacts of Additional Listed bat species due to White-Nose Syndrome, the Final Recovery Plan for the Indiana bat, long term effects of the joint USFWS/OSM Indiana bat Guidance Document for SMCRA Permitting.
 - a. A steering committee currently exists
 - b. Following the publication of the USFWS Final Recovery Plan for the Indiana bat and the USFWS White-Nose Syndrome National Plan, plan to conduct a forum in 2013 or 2014.
5. **Restoration of Stream Quality and Function at SMCRA Coal Mines** – A topic for a national forum in 2012 or 2013. Determine the state of the science on prediction of overburden quality to mine related stream pollution, determine the science of the impact of post SMCRA mining to aquatic biology & T & E species by region, determine the science of stream water quality monitoring related to potential aquatic biology impact.
 - b. Kim Vories and David Lane should attend AR Stream Mitigation Workshop in order to recruit potential speakers and steering committee members.
 - c. After the above workshop develop a Steering Committee to plan the forum: Christy Johnson-Hughes FWS has volunteered to serve.
 - d. Initiate planning for a national technical forum to be held in mid 2012 or 2013 after OSM Stream Protection Rule is published.

6. **Additional Tech Transfer Topics for Consideration:** (1) 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.
7. **Status of AMLIS – According to OSM management the plan is to have AMLIS back up and running.** I have been unable to locate anyone who can give me a definitive date.
8. **Status of 2006 AML Amendment**
The final rule was published in the Federal Register November 14, 2008 (73 FR 67576-67647). See attached FR Notice and summary.
9. **Next Conference Call** will be scheduled for **March 15, 2011** at 10 AM CST.

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

DATE: **March 15, 2011**
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
Kansas Surface Mining Section: **Tim Wilson**, Marlene Spence, Murray Balk
Louisiana Injection and Mining Division: Dale Bergquist
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 Schlingens**
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. 130 registered for the event to date. 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/Geomorph2011.shm>

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

OSM is working with SIUC on making CEUs available. Contact Nick Grant for details.

OSM is planning on facilitating participation in the talks on May 18 through the use of MS Live Meeting capabilities. We will also be working on making video available on the NTTT website of highlights of the field trip.

Please contact Nick Grant if your State wants to participate via the MS Live Meeting (ngrant@osmre.gov).

ONGOING EFFORTS

1. **EPA CCR 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 ended November 19, 2010. The EPA director stated that there will be no rulemaking in 2011.*
2. **OSM CCB Rulemaking** OSM management has requested the CCB rulemaking team be reactivated but no definite direction has been set. **SMCRA CCB Rulemaking: Planning for Implementation** – A topic for a national forum in 2013. The forum would focus on implementation of the new OSM CCB specific regulations following rulemaking by OSM and EPA.
 - a. A steering committee currently exists.
 - b. Following the publication of OSM's proposed rule plan to conduct the forum within 12-18 months of that publication.
3. **OSM Stream Protection Rulemaking** OSM is internally reviewing the proposed rule which is projected to be published in mid-late April of 2011. The EIS for the proposed rule should be published around the same time.
4. **Applied Science FY 2010. There will be no Applied Science solicitation in FY 2011 or 2012.**
5. **Protecting Threatened Bats at Coal Mines Forum.** All of the papers for the proceedings are now in. Publication is planned for April. **Protecting Endangered Bats at Coal Mines** – A topic for a national forum in 2013-2014. Determine the impacts of Additional Listed bat species due to White-Nose Syndrome, the Final Recovery Plan for the Indiana bat, long term effects of the joint USFWS/OSM Indiana bat Guidance Document for SMCRA Permitting.
 - a. A steering committee currently exists
 - b. Following the publication of the USFWS Final Recovery Plan for the Indiana bat and the USFWS White-Nose Syndrome National Plan, plan to conduct a forum in 2013 or 2014.
5. **Restoration of Stream Quality and Function at SMCRA Coal Mines** – A topic for a national forum in 2012 or 2013. Determine the state of the science on prediction of overburden quality to mine related stream pollution, determine the science of the impact of post SMCRA mining to aquatic biology & T & E species by region, determine the science of stream water quality monitoring related to potential aquatic biology impact.
 - b. Nick Grant and David Lane should attend AR Stream Mitigation Workshop in April in order to recruit potential speakers and steering committee members.
 - c. After the above workshop develop a Steering Committee to plan the forum: Christy Johnson-Hughes FWS has volunteered to serve.
 - d. Initiate planning for a national technical forum to be held in mid 2012 or 2013 after OSM Stream Protection Rule is published.

- 6. Additional Tech Transfer Topics for Consideration:** (1) 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.
- 7. Status of AMLIS – According to OSM management the plan is to have AMLIS back up and running. No one knows a date certain yet.**
- 8. Next Conference Call** will be scheduled for **June 1, 2011** at 10 AM CDT.

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

DATE: **July 18, 2011**
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, Mike Worland**

Kansas Surface Mining Section: Tim Wilson, Marlene Spence, Murray Balk

Louisiana Injection and Mining Division: Dale Bergquist

Mississippi Coal Mining Division: **Stan Thieling, Andrew Hitchcock, 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, **Linda Williamson**

OSM TFO: Al Clayborne

OSM IFO: Andrew Gilmore

Significant updates in bold italics

The purpose of the call is to initiate a discussion and planning for the following MCR Topics:

- (1) A workshop on AML grouting related to subsidence mitigation. It was the consensus of the group that NTTP training is available for this subject but it would be very useful focus a Midwestern class for 2012 that would consider a class location in Kansas or Indiana. **Kim Vories will check into this possibility and report back to the team.**
- (2) Improving Consistency and Predictability with the USFWS and USCOE options for Wetlands and Waters of the U.S. on AML sites. It was the consensus of the team that this was a policy issue that needed resolution by OSM management. **Kim Vories will see if clarification can be obtained and report back to the team.**
- (3) Alternatives to On-Site Mitigation on AML projects. Could you use AML funds off site to mitigate USCOE requirements? It was the consensus of the team that this was a policy issue that needed resolution by OSM management. **Kim Vories will see if clarification can be obtained and report back to the team.**

ONGOING EFFORTS

1. **EPA CCR 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 ended November 19, 2010. The EPA director stated that there will be no rulemaking in 2011. EPA has announced the publication on an NODA on new data soon.

2. **OSM CCR Rulemaking** The team will hold its sixth conference call July 19, 2011. The draft EA associated with that proposed rule will need to be rewritten in light of the TVA ash pond accident. The current goal for revision of the draft EA is July 22. The 2008 proposed rule was rewritten to meet the director priorities. Conference calls are being arranged for informal stakeholder input. Team members will conduct the calls with the stakeholder groups including IMCC (Andy DeVito), NMA (Khalia Boyd), USWAG (Kim Vories), and the Sierra Club (John Sieving). A list of stakeholder specific questions has been prepared.
3. **OSM Stream Protection Rulemaking** OSM is internally reviewing the proposed rule and is writing the EIS.
4. **Applied Science FY 2010.** OSM has funded 5 of the 2010 projects and plans to fund 4 more with FY 2011 funds. **There was no Applied Science solicitation in FY 2011 and there are currently no plans for a solicitation in 2012.**
5. **Protecting Threatened Bats at Coal Mines Forum.** The proceedings were published in early June. Please let Kim know if you need a paper copy. The proceedings will be made available electronically on the tech transfer CD and the Internet within the next month or two.
6. **Next Conference Call** will be scheduled for **September 20, 2011** at 10 AM CDT.

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

DATE: **September 20, 2011**
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 Krebsbach, Mike Worland

Kansas Surface Mining Section: **Marlene Spence**, Murray Balk

Louisiana Injection and Mining Division: Dale Bergquist

Mississippi Coal Mining Division: Stan Thieling, Andrew Hitchcock, 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, Linda Williamson

OSM TFO: Al Clayborne

OSM IFO: Andrew Gilmore

Significant updates in bold italics

The purpose of the call is to initiate a discussion and planning for the following MCR Topics:

- (1) An NTTP workshop on AML grouting related to subsidence mitigation. Based on the MCR survey there are 20-21 potential state participants for this event if held in the Mid-West. This has been communicated to NTTP and they are going to try to make it happen in 2012. Kim will communicate the result as soon as NTTP has a definite plan.
- (2) Improving Consistency and Predictability with the USFWS and USCOE options for Wetlands and Waters of the U.S. on AML sites. It was the consensus of the team that this was a policy issue that needed resolution by OSM management. The response from OSM management is that this is a very state specific issue which can only be addressed by the COE in a given state.
- (3) Alternatives to On-Site Mitigation on AML projects. Could you use AML funds off site to mitigate USCOE requirements? It was the consensus of the team that this was a policy issue that needed resolution by OSM management. See the OSM management response to item 2.

ONGOING EFFORTS

1. ***EPA CCR 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 ended November 19,***

2010. The EPA director stated that there will be no rulemaking in 2011. EPA has announced the publication on an NODA at some unknown time in the future.

2. **OSM CCR Rulemaking.** The draft EA associated with that proposed rule is not yet completed. The 2008 proposed rule was rewritten to meet the director priorities. Conference calls have been conducted with stakeholders including IMCC, NMA, USWAG, the Sierra Club/environmental organizations, and the tribes. The team visited CCR placement sites at mines in Pennsylvania and New Mexico. Publication of a proposed rule is still scheduled for spring 2012.
3. **OSM Stream Protection Rulemaking** OSM is internally reviewing the proposed rule and is writing the EIS.
4. **Applied Science FY 2010.** OSM has funded 9 of the 2010 projects with FY 2011 funds. **There was no Applied Science solicitation in FY 2011. OSM is working on announcing a technical study solicitation directed to emerging oversight issues to be funded as funds become available.**
5. **Protecting Threatened Bats at Coal Mines Forum.** The proceedings were published in early June. It will soon be available on the NTTTT website and the MCR technology transfer CD.
6. **Next Conference Call** will be scheduled for **November 15, 2011** at 10 AM CDT.

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

DATE: **November 15, 2011**
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 Krebsbach, Mike Worland

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OSM MCR: **Kimery Vories**, Nick Grant

OSM BFO: Sherry Wilson, Linda Williamson

OSM TFO: Al Clayborne

OSM IFO: Andrew Gilmore

Significant updates in bold italics

The purpose of the call is to initiate a discussion and planning for the following MCR Topics:

- (1) **OSM published an Applied Science solicitation for 2012 on October 1, 2011. Proposals are due December 16, 2011. Details about the solicitation can be found at: <http://www.techtransfer.osmre.gov/NTTMainSite/appliedscience.shtm>**
- (2) **Tech Transfer CD/DVD.** MCR has revised its tech transfer CD/DVD to include the videos of the Natural Stream Design Workshop. OSM still does not have the ability to make videos available on the Web. Contact Kim Vories for copies.
- (3) **OSM/ASMR Technical Sessions at 2012 Annual Meeting in Tupelo, MS. MCR has submitted abstracts for 6 presentations each for two special technical sessions:**
 - (1) ACID MINE DRAINAGE MITIGATION CASE STUDIES IN THE ILLINOIS COAL BASIN AND (2) NATURAL STREAM DESIGN FOR THE MIDWEST

ONGOING EFFORTS

1. **EPA CCR 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 ended November 19, 2010. The EPA

director stated that there will be no rulemaking in 2011. **The Notice of Data Availability (NODA) on the EPA's proposal on disposal of coal combustion residuals was published in the Federal Register on October 12. The comment period ends November 14, 2011.**

2. **OSM CCR Rulemaking.** Conference calls have been conducted with stakeholders including IMCC, NMA, USWAG, the Sierra Club/environmental organizations, and the tribes. The team visited CCR placement sites at mines in Pennsylvania and New Mexico. **Publication of a proposed rule is scheduled for May 2012.**
3. **An NTTP workshop on AML grouting related to subsidence mitigation.** Based on the MCR survey there are 20-21 potential state participants for this event if held in the Mid-West. This has been communicated to NTTP and they are going to try to make it happen in 2012. Kim will communicate the result as soon as NTTP has a definite plan.
4. **OSM Stream Protection Rulemaking** OSM is internally reviewing the proposed rule and is writing the EIS.
5. **Next Conference Call** will be scheduled for _____, **2012** at 10 AM CST.