

**NATIONAL TECHNOLOGY TRANSFER TEAM (NTTT)  
TECHNOLOGY TRANSFER EVENTS CALENDAR  
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**January 2006**

**17th Annual Abandoned Coal Mine Land Research Program Project (ACMLRP) Review Seminar, Casper, WY (date to be determined)**

Background: This annual meeting provides an opportunity for funded research investigators to discuss their projects and brief the audience on their progress, and/or present the final results. The ACMLRP is designed to support projects which can aid in the development of practical solutions to some of the issues encountered in coal mine reclamation. The WRCC OTT has provided technology transfer of the final research reports since 1991, and the program is featured on OTT's website at [www.ott.wrcc.osmre.gov/acmlrp.htm](http://www.ott.wrcc.osmre.gov/acmlrp.htm)

Topics Covered: Interim or final reports will be made on the following five topics: The influence of reclamation management practices on carbon accumulation and soil fertility on coal mine lands in Wyoming; Impacts of wildlife utilization on Big Sagebrush survival in reclaimed mine lands; Development and identification of Rhizobiaceae (bacterial) and Fabaceae (plant) symbioses for enhancing biological inputs of nitrogen in reclamation of disturbed lands; Recovery of below ground ecosystem components under different plant communities on reclaimed coal mine lands; and The effects of seed mix species composition and seedling rates on attaining species diversity for reclaimed areas.

Target Audience: Regulatory agency staff, industry, and consultant practitioners.

Contact: Joe R. Galetovic, 303-844-1448

**January 10, 2006**

**Interagency Meeting on Issues Related to Excess Spoil Fills in Kentucky, Lexington, KY**

>>LIMITED INTEREST MEETING>>

Background: OSM's Lexington Field Office will host a meeting of various state and Federal agencies to discuss current issues relating to excess spoil fills. In attendance will be representatives from OSM, the U.S. Army Corps of Engineers (COE), and the Kentucky Cabinet for Environmental and Public Protection (including the Kentucky Department for Natural Resources, Kentucky Division of Water, and Kentucky Division of Fish and Wildlife Resources).

Topics Covered: The COE will discuss the proposed district boundary changes in Kentucky and the status of mining companies in eastern Kentucky that are actively placing fill materials into waters of the United States. Kentucky will discuss the status of assumption of the 404 Clean Water Act permit program.

Target Audience: KY regulatory agency staff, OSM, the US Army COE, EPA – Region 4, US Fish and Wildlife Service, USGS and KY Geological Survey.

Contact: Bill Kovacic, 859-260-8403

January 18-20, 2006

**First Meeting of Study Committee on Coal Research, Technology, and Resource Assessments to Inform Energy Policy, National Research Council, National Academy of Sciences, 500 5th Street NW, Washington, DC**  
**>>LIMITED INTEREST MEETING<<**

Background: This Congressionally mandated study will broadly examine coal resource assessments, technologies, and research and development (R&D) activities in the US to formulate an appropriate, integrated roadmap of future needs. The results of the review should help define and construct a national strategy for coal R&D and resource assessments.

Topics Covered: The study will cover projections of coal use and the future role of coal; the full range of local/regional/national, and environmental and global issues/challenges surrounding the future production and utilization of coal; coal reserve assessments and the current and future role of coal imports and exports; current coal R&D activities, and technology transfer developments from other fields; priority coal R&D needs, and options for supporting and implementing a broad-based coal R&D program.

Target Audience: OSM, other Federal and State Regulatory agencies, Academic researchers. Industry, the general public and environmental organizations.

Accomplished: The Committee's first meeting was held in Washington, DC, January 18-20, 2006. In addition to closed Committee sessions, there were open sessions that consisted of a series of informational briefings. Staff from Senator Byrd's and Senator Specter's Office reviewed the Study Background and Congressional Expectations. Following that were a series of presentations by Federal agencies:

- An Overview of the Office of Surface Mining and OSM's Perspectives on the Coal Research Study -- John Craynon (OSM);
- Coal Activities of the Energy Information Administration - Scott Sitzer (DOE-EIA);
- USGS Purview and Perspective - Brenda Pierce (USGS-Energy Resources Program);
- BLM Purview and Perspective- John Lewis (BLM); and
- State Perspective on Coal Research and Development Needs in the area of Environmental Protection - Greg Conrad (IMCC).

The briefings stimulated lively discussion and Q&A sessions. There were also wrap-up Roundtable Discussions at the end of each session of presentations.

Contact: John Craynon, OSM HQ, Chief, Regulatory Support Division, 202-208-2866.

February 7-9, 2006

**108<sup>th</sup> National Western Mining Conference and Exhibition, Colorado Mining Association, Denver, CO**

Background: OSM-Western Regional Coordinating Center's (WRCC) Office of Technology Transfer (OTT) will participate in the annual three-day event, as an exhibitor. This year's Conference theme is *From the Earth – Mining's New Horizons*. Traditionally, the conference closes with the Colorado

Division of Minerals and Geology/Colorado Mining Associations' Annual Mined Land Reclamation Awards and Safety Awards.

Topics Covered: OTT booth distributes information about OSM, and showcases successes in reclamation, wildlife habitat enhancement, and paperless permitting. Popular items are CDs relating to various reclamation techniques, research reports, manuals, guidelines, and public domain software, in addition to OSM's annual reports, and the link to OSM's web pages

Target Audience: Reclamation managers, consultants, state and federal agencies' natural resource specialists and reclamation staff.

Contact: Joe R. Galetovic, 303-844-1448.

**February 17-18, 2006 National Engineers Week, Pittsburgh, PA, Carnegie Science Center**

Background: OSM-Appalachian Region (AR) will participate in the annual 2-day event highlighting Pittsburgh's engineering community with booths and exhibits from numerous industry, government and consulting groups. Our emphasis this year will be on formation of Acid Mine Drainage, its impact on the local environment and treatment. It will include demonstrations and hands-on experiments of pH, acid formation from coal, and impacts on the aquatic environment. The program encourages young people to consider science and engineering in their future career planning. Staff from AR will run our booth, assist with the experiments and disseminate information about the environmental impacts of coal mining and OSM's role in protecting the environment and public.

Target Audience: Youth groups including Girl Scouts, school groups between the ages of 8 and 14, families and general public. About 400 children and adults are expected to join in the experiments and learn more about coal mining.

Contact: Lois Uranowski, OSM AR Technical Support Division, Technology Transfer (412) 937-2805.

**March 1-2, 2006 National Technical Training Steering Committee Meeting, Washington, DC >>LIMITED INTEREST MEETING>>**

Background: The purpose of this meeting is to identify OSM, State and Tribal training priorities, recommend training policy, provide guidance to assure the use of creative and innovative training opportunities and periodically evaluate training activity to assure program quality. The Steering Committee reviews plans for proposed technical training activities and recommends priorities for new course development. The Steering Committee also reviews the results of annual Needs Survey and determines how to allocate requests for space in the courses.

Topics Covered: Committee Reports on Regions; Accomplishments and Attendance Update; Course Evaluations; Course Reports; TIPS update; Strategic Plan; Succession Planning for Instructors; 5 Year Planning for Students; Career Series.

Target Audience: State and OSM representatives; invited guests

Contact: Sarah E. Donnelly, NTTP, (202) 208-2826

**March 26-30, 2006**

**ICARD7/ADTI/SME/ASMR Combined Meeting, St. Louis, MO**

Background: The Seventh International Conference on Acid Rock Drainage (ICARD) is being held in conjunction with the SME Annual Meeting in St. Louis Missouri. Attendees will be able to attend sessions in both meetings, if desired. The 7<sup>th</sup> ICARD technical program is also being co-sponsored by:

ADTI (Acid Drainage Technology Initiative),

ASMR (American Society for Mining and Reclamation),

IMWA (International Mine Water Association),

INAP (International Network for Acid Prevention),

RMHSRC (Rocky Mountain Hazardous Substance Research Center)

OSM will participate in this event. WRTT will be an exhibitor (?). The American Society for Mining and Reclamation exhibits, albeit small in size, showcases the newest reclamation technologies, for the mining industry, and abandoned mine lands programs. In addition to the field trips, the conference technical program and its short courses are a forum for learning and experience. This combined conference will provide an opportunity for scientists, researchers, regulators, and mining and reclamation personnel to exchange information, share ideas and meet together. The American Society of Mining and Reclamation annually recognizes outstanding efforts in the field of land reclamation, reclamation research, and lifetime achievement in land reclamation, and the individuals are presented the awards at this meeting.

Target Audience: Industry reclamation managers, researchers and technical staff, consultants, state and federal agencies natural resource and reclamation staff. The OSM WRCC OTT booth will distribute information about OSM and its programs, ACSI/ADTI, Reforestation Initiative, TIPS, and showcases successes in reclamation, and paperless permitting. Popular items are CDs relating to various reclamation techniques, research reports, manuals, conference proceedings, guidelines, public domain software, links to OSM's web pages, and OSM annual report CDs.

Contact: Joe Galetovic, 303 844-1448, Lois Uranowski, 412-937-2805, Kim Vories, 618-463-6463 X103 or John Craynon, 202-208-2866.

**April 18-19, 2006**

**WV Surface Mine Drainage Task Force Symposium, Ramada Inn, Morgantown, WV**

Background: The State of West Virginia's Surface Mine Drainage Task Force sponsors this annual meeting to address AMD and related issues in WV. This is the 26th annual Symposium.

Topics Covered: Status of WV mining and reclamation; OSM perspective on mining, AMD and reclamation; selenium impacts and issues; legislative issues related to mining, reclamation, and AMD; AMD Treatment; AML reclamation; ADTI project: Leaching Column Method for Overburden Analysis and Prediction of Weathering Rates.

Target Audience: State and Federal regulators and administrators,; technical experts from industry, state and federal agencies and academia.

Contact: Jeff Skousen, West Virginia University, Morgantown, WV (304) 293 6256.

[jskousen@wvu.edu](mailto:jskousen@wvu.edu)

**April 19, 2006**

**Eastern Mine Drainage Federal Consortium (EMDFC), National Mine Land Reclamation Center, West Virginia University, Morgantown, WV**

>> **LIMITED INTEREST MEETING** << (following ADTI meeting)

Background: The EMDFC is composed of Federal agencies with strong common interest in mine drainage. It was formed to facilitate a coordinated Federal agency response to AMD issues in the Eastern U.S. The NMLRC was selected to serve as a neutral host organization. EMDFC provides a forum to promote and coordinate the review of technical issues and policies regarding water quality, as these relate to mining and reclamation activities in the Eastern United States. The Consortium consults with the states, industry, academia and the public as appropriate. EMDFC operates on an ad hoc both within the Federal Agencies and in relation to the States.

Topics Covered: In addition to general discussion on AMD activities in various federal agencies, there will be a presentation on outreach and education for the AMD research project at Friendship Hill National Historic site, PA managed by the National Park Service.

Target Audience: Federal agency technical staff working on AMD issues.

Contact: Eric Carlson, EPA, Wheeling WV (304) 234-0233

**April 19-20, 2006**

**ADTI Coal Mining Sector, Annual Meeting, Morgantown, WV**

>> **LIMITED INTEREST MEETING** <<

Background: The Acid Drainage Technology Initiative (ADTI) is a partnership of technical experts from industry, state and federal agencies and academia who have joined together to seek solutions to AMD and related water-quality problems from mining. ADTI provides a valuable forum for collaboration and information exchange. ADTI is organized into a Coal Mining Sector (CMS) and a Metal Mining Sector (MMS). Working groups in each sector focus on Prediction and Avoidance/Remediation.

Topics Covered: Recent and current coal-related AMD research activities, Coal Mining Sector technical teams and activities to be covered; strategies for disseminating technical information.

Target Audience: Technical experts from industry, state and federal agencies and academia.

Contact: Steve Parsons, Division of Regulatory Support, HQ (202)-208-2895.

**April 30 - May 3, 2006**

**Interstate Mining Compact Commission Annual Meeting, Radisson Hotel, Bismarck, ND**

>>**LIMITED INTEREST MEETING**<<

Background: The Interstate Mining Compact Commission(IMCC), a multi-state governmental organization representing the natural resource and environmental protection interests of its 22 member states, holds an annual meeting in the spring of

each year to discuss issues and concerns of the member states, to hear from various speakers, and to present its annual national reclamation and mineral education awards.

Topics Covered: Several IMCC Standing Committees will meet to discuss a variety of topics including abandoned mine lands, the status of OSM's budget and state Title IV and V grants, significant OSM rulemakings, as well as pending studies and other state/federal initiatives in the mining arena.

Target Audience: State and Federal regulators and administrators.

Contact: Greg Conrad, IMCC, Herndon, VA (703) 709-8654 or [gconrad@imcc.isa.us](mailto:gconrad@imcc.isa.us).

**May 2- 4, 2006**

**Stream Loss and Restoration Workshop Pittsburgh, PA**

Background: This 2 ½ day workshop, sponsored by Appalachian Regional Technology Transfer Team (ARTT), will present issues associated with stream loss due to underground and surface mining and stream restoration and reconstruction. The forum will be interactive with state regulatory authorities, OSM, COE and industry representatives providing presentations on regulatory requirements; stream loss; stream assessment, mitigation and restoration; and case studies.

Target Audience: Approximately 75 representatives from Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia; OSM and EPA staff; and coal industry personnel.

Contact: David Lane, OSM ARCC Program Support Division (865)545-4103, extension 158.

**May 9-11, 2006**

**TIPS 2006 Steering Committee Meeting, Baltimore, Maryland,**

**May 9 - 11, 2006**

**AML Partnering Workshop, Embassy Suites, St. Louis, MO**

>>LIMITED INTEREST MEETING<<

Background: The Interstate Mining Compact Commission is sponsoring a workshop, together with OSM, on partnering opportunities for abandoned mine land (AML) projects. The workshop will allow attendees to put into practice several of the potential partnering enhancements that have been reviewed as part of a study undertaken by IMCC for OSM by Nina McCormick of the Center for Rural Strategies.

Topics Covered: state and federal partnering opportunities for AML reclamation projects; working in a team setting; working with watershed groups; funding enhancements.

Target Audience: state and federal AML program managers and planners.

Contact: Greg Conrad, IMCC (703) 709-8654.



**May 23-25, 2006**

**OSM-Western Regional Technical Team (WRTT) Workshop: Emerging Technologies in Surface Mining Regulation and Reclamation - Bismarck, North Dakota**

Background: OSM-OTT will co-sponsor the three-day information exchange meeting featuring innovative new technologies and applications hosted by the North Dakota Public Service Commission. Under the technology transfer and technical assistance umbrella, the seven western states regulatory agencies requested that OTT co-sponsor with them small regional meetings. Under this scenario each state regulatory agency would get the opportunity to showcase different technologies available to them, provide hands-on opportunities for the other six states to see and participate in what is involved in implementing the new technologies. These exchanges of information have resulted in better-prepared staff, and more informed managers, when they return to their offices.

Topics Covered: Emerging technologies in surface mining regulation and reclamation, Emerging technologies on an active mine site, Round table discussions focusing on emerging technological issues and opportunities.

Target Audience: Western Regional Technical Team State Staff, OSM staff of the Western Region, Mining Industry, and Academics in the Western Region.

Contact: Mary Greene, OSM WRC, Technical Management Division, Office of Technology Transfer at (303)844-1400 ext 1438, [mgreene@osmre.gov](mailto:mgreene@osmre.gov).

**May 31-June 1, 2006**

**National Technology Transfer Team (NTTT) Annual Meeting, San Antonio, TX**

>> LIMITED INTEREST MEETING <<

Background: OSM's NTTT will meet in San Antonio, TX. The purpose NTTT is to select the applied science proposals for funding under the 2006 RFP and to ensure the proper transfer of technology among OSM and the States. The meeting will provide a forum to guide NTTT activities and coordinate and communicate regional TT activities.

Topics Covered: The meeting will include a combination of technical presentations, applied science project ranking and selection, and routine team business. At this meeting, the team will address applied science initiatives for 2007. There will also be presentations on ongoing applied science projects.

Target Audience: Members and invited guest of the NTTT.

Contact: Kimery Vories, MCR, 618-463-6463 x 103

**June 4-9, 2006**

**Billings Land Reclamation Symposium, Billings, MT**

**June 5-7, 2006**

**NAS Study Committee on Coal Research, Technology, and Resource Assessments to Inform Energy Policy, Pittsburgh, PA**

>>LIMITED INTEREST MEETING<<

Background: This Congressionally mandated study will broadly examine coal resource assessments, technologies, and research and development (R&D) activities in the US to formulate an appropriate, integrated roadmap of future needs. The results of the review should help define and construct a national strategy for coal R&D and resource assessments.

Topics Covered: The study will cover projections of coal use and the future role of coal; the full range of local/regional/national, and environmental and global issues/challenges surrounding the future production and utilization of coal; coal reserve assessments and the current and future role of coal imports and exports; current coal R&D activities, and technology transfer developments from other fields; priority coal R&D needs, and options for supporting and implementing a broad-based coal R&D program.

Target Audience: OSM, other Federal and State Regulatory agencies, Academic researchers. Industry, the general public and environmental organizations.

Accomplished: OSM staff participated with the National Academy of Sciences in its investigations related “Coal Research Needed to Inform Energy Policy.” The investigations, which occurred in the Pittsburgh, PA vicinity, included a tour of an underground long-wall coal mine (Consol Mine 84) and talks on various subjects including: coal resources in WV, the Energy Information Agency’s demonstrated reserve data, inland waterways, railroad transportation issues, safety & health research by NIOSH and MSHA, U.S. coal markets, coal to liquids research, and coal’s future in power generation

Contact: John Craynon, OSM HQ, Chief, Regulatory Support Division, 202-208-2866.

**June 27-28**

## **SMCRA Geospatial Data Meeting, Denver, CO**

**>>LIMITED INTEREST MEETING<<**

Background: The National Coal Mining Geospatial Committee (NCMGC) will host a meeting of SMCRA Geospatial Data Stewards in Denver, Colorado. The meeting is supported by OSM’s Technical Innovation and Professional Services (TIPS). The National Coal Mining Geospatial Committee (NCMGC) is a partnership between OSM and the approved state programs authorized to implement the Surface Mining Control and Reclamation Act. The seven committee members represent the National Association of Abandoned Mine Lands Program (NAAML), Western Interstate Energy Board (WIEB), Interstate Mining Compact Commission (IMCC), the three OSM regional offices, and OSM headquarters. The Data Stewards that will be meeting are the geospatial experts from each coal-mining state, tribe, and OSM office. This effort is in support of the Geospatial Line of Business in the President’s E-Gov Initiative and will help to coordinate the use of geospatial data throughout the Surface Mining Act agencies nationwide.

Topics covered: The meeting will focus on promoting the use of geospatial technology for implementing SMCRA among the states, tribes, and OSM offices.

Target Audience: Geospatial experts from each coal-mining state, tribe, and OSM office

Contact: Bill Card, 865-545-4103

**July 18-21 2006**

**NAS Study Committee on Coal Research, Technology, and Resource Assessments to Inform Energy Policy, Gillette, WY**

**>>LIMITED INTEREST MEETING<<**

Background: This Congressionally mandated study will broadly examine coal resource assessments, technologies, and research and development (R&D) activities in the US to formulate an appropriate, integrated roadmap of future needs. The results of the review should help define and construct a national strategy for coal R&D and resource assessments.

Topics Covered: The study will cover projections of coal use and the future role of coal; the full range of local/regional/national, and environmental and global issues/challenges surrounding the future production and utilization of coal; coal reserve assessments and the current and future role of coal imports and exports; current coal R&D activities, and technology transfer developments from other fields; priority coal R&D needs, and options for supporting and implementing a broad-based coal R&D program.

Target Audience: OSM, other Federal and State Regulatory agencies, Academic researchers. Industry, the general public and environmental organizations.

Contact: John Craynon, OSM HQ, Chief, Regulatory Support Division, 202-208-2866.

**July 19-20, 2006**

**National Technical Training Steering Committee meeting, Chicago, IL**

**>>LIMITED INTEREST MEETING<<**

Background: The purpose of this meeting is to identify OSM, State and Tribal training priorities, recommend training policy, provide guidance to assure the use of creative and innovative training opportunities and periodically evaluate training activity to assure program quality. The Steering Committee reviews plans for proposed technical training activities and recommends priorities for new course development. The Steering Committee also reviews the results of annual Needs Survey and determines how to allocate requests for space in the courses.

Topics Covered: Committee Reports on Regions; Accomplishments and Attendance Update; Course Evaluations; Course Reports; TIPS update; Strategic Plan; Succession Planning for Instructors; 5 Year Planning for Students; Career Series.

Target Audience: State and OSM representatives; invited guests

Contact: Sarah E. Donnelly, NTTP, (202) 208-2826

**July 25-26 2006**

**Slurry Injection Workshop, Appalachian Region, Eurosuites Hotel Morgantown, WV**

**>>LIMITED INTEREST MEETING<<**

Background: This 1 ½ day workshop, sponsored by Appalachian Regional Technology Transfer Team (ARTT), will present issues associated with underground

injection of coal processing waste products. The forum will be interactive with state regulatory authorities, OSM, and industry representatives.

Topics covered: There will be presentations on regulatory requirements, chemical composition, classification, testing, operational considerations, monitoring requirements and case studies.

Target Audience: Approximately 40 representatives from Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia regulatory authorities; OSM and other federal Agencies.

Contact: David Lane, OSM ARCC Program Support Division (865)545-4103, extension 158.

**July 25-26, 2006**

**IMCC Meeting on the NRC Report on Mine Placement of Coal Combustion Residues, Washington DC.**

>>LIMITED INTEREST MEETING<<

Background: In response to the recent report of the National Research Council (NRC) on "Managing Coal Combustion Residues in Mines", IMCC will hold a meeting to discuss the findings and recommendations of the report. The first day will be a states-only meeting, followed on day two by a meeting between the states, OSM and EPA.

Topics Covered: The recommendations and findings contained in the NRC as they impact state regulatory authorities (both coal and noncoal).

Target Audience: State regulatory authorities and representatives from OSM, EPA and DOE.

Contact: Greg Conrad, IMCC. Phone: (703) 709-8654; [gconrad@imcc.isa.us](mailto:gconrad@imcc.isa.us)

**July 26, 2006**

**Minorities in Mining Roundtable, Lexington, KY**

>>LIMITED INTEREST MEETING<<

Background: OSM's Lexington Field Office and the Applicant Violator System Office, along with the University of Kentucky, will conduct a meeting of the Minorities in Mining Roundtable.

Topics Covered: Representatives of Federal and state regulatory agencies, industry, and academic representatives will meet to assist the University of Kentucky recruit, retain, and graduate minority students in the science and engineering degree programs as a means to improve workforce diversity in the technical and scientific arenas.

Target Audience: Federal and state regulatory agencies, industry, and academic representatives

Contact: Bill Kovacic, 859-260-8402

August 2006

**OSM-Western Regional Technical Team (WRTT) Workshop: Emerging Technologies in Surface Mining Regulation and Reclamation – Denver, Colorado**

Background: OSM-OTT will co-sponsor the final multi-day information exchange meeting in the series of eight small regional meetings co-hosted by OTT and the seven western states regulatory agencies. These meetings have focused on providing hands-on opportunities for the other six states to see and participate in what is involved in implementing the new technologies. This meeting is in the planning stages. Updates will be provided.

Topics Covered: To be finalized, but will likely include: OSM Western Region Reorganization; Maintaining and expanding Technical Transfer in the Western US, New WR OTT Staff, Emerging technologies in surface mining regulation and reclamation, Round table discussions focusing on emerging technological issues and opportunities.

Target Audience: WRTT representatives, the seven Western States technical staff and managers, and WRCC managers, OTT partners in academia and industry.

Contact: Mary Greene, OSM WRC, Technical Management Division, Office of Technology Transfer (303)844-1400 ext 1438, [mgreene@osmre.gov](mailto:mgreene@osmre.gov).

August 1, 2006

**Interagency Meeting on Issues Related to Excess Spoil Fills in Kentucky, Lexington, KY**

>>LIMITED INTEREST MEETING<<

Background: OSM's Lexington Field Office (LFO) will host a meeting of various state and Federal agencies to discuss current issues relating to excess spoil fills. In attendance will be representatives from OSM, the U.S. Army Corps of Engineers (COE), Environmental Protection Agency, U.S. Fish and Wildlife Service, the Kentucky Cabinet for Environmental and Public Protection, including the Kentucky Department for Natural Resources, Kentucky Division of Water and Kentucky Division of Fish and Wildlife Resources. The COE will discuss the status of mining companies in eastern Kentucky that are actively placing fill materials into waters of the United States. Kentucky will discuss the status of the assumption of the 404 Clean Water Act permit program.

Topics Covered: The placement of fill materials into waters of the United States and status of the assumption of the 404 Clean Water Act permit program in Kentucky.

Target Audience: Federal and state regulatory agencies.

Contact: Bill Kovacic, 859-260-8402

August 2, 2006

**Impoundment Coordination Meeting**

>>LIMITED INTEREST MEETING<<

Background: OSM's Lexington Field Office (LFO) will host a meeting with the U.S. Mine Safety and Health Administration and the Kentucky Department for Natural Resources. The purpose of the meeting is to continue discussion and provide

updates on impoundment related issues involving permitting and inspection, reclamation of inactive impoundments, geo-technical investigations and breakthrough risk assessments.

Topics Covered: Technical aspects of impoundments, including permitting, inspection, reclamation, geo-technical investigations and risk assessments.

Target Audience: Federal and state regulatory agencies.

Contact: Bill Kovacic, 859-260-8402

**August 7-11, 2006**

**ESRI 2006 User Conference, San Diego, CA, 8/7-11/2006**

**August 29, 2006**

**Benchmarking workshop on underground mine mapping, Frankfort, KY**

>>LIMITED INTEREST MEETING<<

Background: As a follow-up to the successful workshops hosted by IMCC in October of 2003 and June of 2005, IMCC will sponsor a series of regional benchmarking workshops focused on implementation issues associated with underground mine mapping. The first of these will be in Kentucky on August 29. Another may follow in West Virginia in the fall.

Topics Covered: Various underground mine mapping subjects including metadata capture, georectification, evaluation and preparing mine maps, scanning, cleanup and georeferencing of maps and automated batch procedures.

Target Audience: State regulatory agencies that deal with mine mapping responsibilities and OSM.

Contact: Greg Conrad, IMCC. Phone: (703) 709-8654. E-mail: [gconrad@imcc.isa.us](mailto:gconrad@imcc.isa.us)

**August 30-31, 2006**

**OSM Mid-Continent Region Hydrology Workshop, St. Louis, MO**

>>LIMITED INTEREST MEETING<<

Background: The Mid-Continent Region of OSM will host a technical workshop regional hydrology issues.

Topics Covered: Session 1 will be on State case studies concerning the development of Probable Hydrologic Consequences and Cumulative Hydrologic Assessment guidance. Session 2 will be a roundtable discussion by State technical experts and managers of the development of regional PHC/CHIA guidance and plans for individual State implementation of that guidance. Session 3 will look at other regional hydrology issues of concern.

Target Audience: MCR State managers and hydrology staff.

Contact: Kimery Vories, MCR, 618-463-6463 x 103

**Sept. 1-4 2006**

**Taste of Colorado Festival, Denver CO**

Background: OSM-WR-OTT participates in this annual 4-day event as a co-exhibitor with the Colorado Mining Exhibit Foundation, a non-profit education organization. The OTT booth distributes information about OSM and showcases successes in reclamation and wildlife habitat enhancement. Popular items include CD's relating to various reclamation techniques and research reports, in addition to OSM's annual reports and links to OSM's web pages.

Topics Covered: This year's theme is "Improving the Image of Mining."

Target audience: Voters, Teachers, and families with children.

Contact: Paul Clark, 303-844-1400 x1531

**September 6-7**

**Semi annual AR Team Meeting, Charleston WV**

Background: OSM's Appalachian Regional (AR) and State Regulatory Authorities within its region participate in the Appalachian Regional Technology Team (ARTT). The purpose of or the ARTT is to ensure the proper transfer of technology within the region by providing a forum to guide regional technology activities and coordinate and communicate regional technology transfer issues.

Topics Covered: The team meeting will include a combination of technical presentations and routine team business.

Target Audience: ARTT members and invited guests.

Contact: Lois Uranowski, 412 937-2805

**Sept. 6-8, 2006**

**NAS Study Committee on Coal Research, Technology, and Resource Assessments to Inform Energy Policy, Boulder, CO**

>>LIMITED INTEREST MEETING<<

Background: This Congressionally mandated study will broadly examine coal resource assessments, technologies, and research and development (R&D) activities in the US to formulate an appropriate, integrated roadmap of future needs. The results of the review should help define and construct a national strategy for coal R&D and resource assessments.

Topics Covered: The study will cover projections of coal use and the future role of coal; the full range of local/regional/national, and environmental and global issues/challenges surrounding the future production and utilization of coal; coal reserve assessments and the current and future role of coal imports and exports; current coal R&D activities, and technology transfer developments from other fields; priority coal R&D needs, and options for supporting and implementing a broad-based coal R&D program.

Target Audience: OSM, other Federal and State Regulatory agencies, Academic researchers. Industry, the general public and environmental organizations.

Contact: John Craynon, OSM HQ, Chief, Regulatory Support Division, 202-208-2866.

**Sept. 12-14, 2006**

**“Putting a New Face on Mining Reclamation” A National Interactive Forum on Geomorphic Reclamation, San Juan Community College, Farmington, NM**

Background: In response to recent advances in the reconstruction of post-mining landscapes, the Office of Surface Mining is convening an interactive forum on geomorphic reclamation. The interactive forum is being convened to examine the geomorphic principles for landscape reconstruction and application of those principles to mined land reclamation. The focus of the first two days of the interactive forum will be presentations on technical and regulatory issues, tools for planning and designing reclaimed landscapes and case studies. The third day will be spent in the field at the La Plata and San Juan Mines reviewing areas reclaimed using geomorphic principles and will be hosted by BHP Billiton.

Topics Covered: The Science Behind the Technique, Applications and Design Tools, Active and Abandoned Mined Land Case Studies, Issues and Opportunities

Target Audience: Reclamation practitioners from the public and private sectors

Contact: Bob Postle (303)844-1400 ext 1469; [bpostle@osmre.gov](mailto:bpostle@osmre.gov), or Willis Gainer (505) 248-5096, [wgainer@osmre.gov](mailto:wgainer@osmre.gov)

**Sept. 24-27 2006**

**28th Annual National Association of Abandoned Mine Lands Conference, Billings MT**

Background: The Conference is hosted by the Montana Abandoned Mine Program. There will be a reception on the evening of the 24th with the General Session opening on the 25th. Plan on hearing what Governor Brian Schweitzer has to say in his opening remarks.

Topics Covered: The Conference will feature technical sessions, workshops, and tours on the 25th through the 27th. The business meeting will be held on the 27th. Montana plans on hosting a pre-conference tour on the 22nd and 23rd, returning to Billings mid-day on the 24th. The pre-conference tour will feature high altitude mining and reclamation across the Beartooth Plateau and will venture down into Yellowstone National Park.

Target audience:

Contact: Paul Clark, 303-844-1400 x1531

**Sept. 25-27, 2006**

**National Association of Abandoned Mine Land Programs “We Proceeded On”, Sheraton Hotel, Billings, MT**

Background: This is the 28<sup>th</sup> annual conference of the National Association of Abandoned Mine Land Programs (NAAML). The conference is presented by Montana Department of Environmental Quality in cooperation with OSM, the National Forest Service, the National Park Service and the Bureau of Land Management.

Topics Covered: The agenda has not been set, but suggested topics include: Source Control, Watershed Restoration, Mine Waste Management, Reclamation in Sensitive



Areas, Cultural and Historic Developments, AMD Treatment Policy - Panel Discussion, Subsidence Abatement: Long/Short term, Mine Fire Abatement, Partnership Development, Reforestation, , Non-Governmental Organization Participation, Reclamation Outside the Box, Hazardous Mine Openings Closures, AMD Characterization and Treatment, Remining,

Target Audience: Abandoned Mine Land reclamation practitioners and related disciplines from the private and public sectors.

Contact: [NAAML2006@mt.gov](mailto:NAAML2006@mt.gov)

**October 3-5,2006**

**Mid-Year Meeting of the Interstate Mining Compact Commission, Holiday Inn Crown Plaza Hotel, Lake Placid, NY**

>>LIMITED INTEREST MEETING<<

Background: The Interstate Mining Compact Commission (IMCC), a multi-state governmental agency representing the natural resource and environmental protection interests of its 22 member states, holds a mid-year meeting in the fall of each year to discuss issues and concerns of the member states and to hear from various speakers.

Topics Covered: Several IMCC Standing Committees will meet to discuss a variety of topics including abandoned mine lands, status of OSM's budget and state Title IV and V grants, significant OSM rulemakings, as well as pending studies and other state/federal initiatives in the mining arena.

Target Audience: State and federal regulators and administrators.

Contact: Greg Conrad, IMCC. Phone: (703) 709-8654. E-mail: [gconrad@imcc.isa.us](mailto:gconrad@imcc.isa.us)

**October 5-6, 2006**

**Texas Surface Mine Reclamation Workshop**

Background: Annual workshop on reclamation technology in Texas sponsored by Texas Cooperative Extension of Texas A&M University.

Topics Covered: Several talks on reclamation issues in Texas.

Target Audience: Reclamation professionals that work in South Central U.S.  
*Registration due September 15, 2006.*

Contact: Daralyn Wallace (979) 845-0884

**October 17, 2006**

**Regional Benchmarking Workshop on Mine Mapping, Morgantown, WV**

Background: As a follow-up to the two national benchmarking workshops on underground mine mapping sponsored by IMCC in 2003 and 2005, a series of regional benchmarking workshops on mine mapping will be held focused on implementation issues, with hands-on demonstrations and field applications. The next workshop will be held on October 17 in Morgantown, WV at the offices of the West Virginia Geological and Economic Survey.

Topics Covered: Various mine mapping subjects including collecting and processing mine maps; using mine maps to compile mined areas; putting mine maps in a geologic context; and setting up a GIS and delivering the data on the web.

Target Audience: State and federal regulatory agency personnel who deal with mine mapping responsibilities. The workshop is limited to a maximum of 20 persons.

Contact: Greg Conrad, Interstate Mining Compact Commission. Phone: (703) 709-8654. E-mail: [gconrad@imcc.isa.us](mailto:gconrad@imcc.isa.us).

**October 22-25 2006**

**Geological Society of America Annual Meeting, Philadelphia PA**

Background: Office of Technology Transfer (OTT), WRCC exhibit at the Geological Society of America Annual Meeting will feature Technology Transfer and Technical Assistance topics under the heading of Geologists' Role in Mining and Reclamation.

Topics Covered: Introducing the Office of Surface Mining and SMCRA will be the main goal of the exhibit, highlighting the technical fields in surface mining and reclamation, and their dependence on the knowledge and research of geological scientists. The inter-relationships of hydrology, soils, rocks and climate as they affect mining and successful post-mining reclamation scenarios are topics that few students are exposed to during college, but must deal with as part of their chosen minerals-related career. The web availability of technical reports, and the reclamation handbooks, guidebooks and proven success techniques, and proceedings of Interactive Forums on Bond Release in the arid, semi-arid West are of great interest to graduating candidates as well as veteran reclamationists, and are great teaching tools for faculty. In addition, students are interested in career opportunities with the Department of Interior & its' agencies, and skills needed for the types of jobs available.

Target Audience: Students looking for a career in environmental protection and/or reclamation fields. Faculty teaching depositional environments, geochemistry, hydrology, environmental geology, and reclamation classes.

Contact: Paul Clark, 303-844-1400 x1531

**November 14-16 2006**

**Hard Rock 2006 Sustainable Modern Mining Applications, Tucson, AZ**

Background: The EPA is coordinating this conference to provide hard rock industry participants with the opportunity to examine and discuss current environmental issues which impact sustainable opportunities for efficient and maximum extraction of mineral resources.

Topics Covered: Environmental issues which impact extraction of mineral resources.

Target audience: Hard rock mining industry.

Contact: Paul Clark, 303-844-1400 x1531

**November 14-16, 2006**

**Flue Gas Desulfurization By-Products at Coal Mines and Responses to the National Academy of Science Final Report "Managing Coal Combustion Residues at Mines": A Technical Interactive Forum, University Plaza Hotel, Columbus, OH**

Background: The OSM led CCB Steering Committee is continuing to respond to the rapidly evolving issues related to the beneficial application of CCBs at coal mines. The issues that will be explored at the 6<sup>th</sup> interactive forum on this issue will address:

(1) the increasing amount of Flue Gas Desulfurization By-Product that is being generated due to the increased utilization of scrubbers to remove SO<sub>x</sub> and NO<sub>x</sub> from air emissions and its potential for future uses at mines; (2) efforts to improve the predictability for leachate protocols for more accurate assessment of potential hydrologic impacts; (3) a peer review of the National Academy of Science (NAS) Final Report on CCB placement at mines; and (4) the regulatory impact of the NAS Final Report on rulemaking by EPA that could impact OSM and State programs.

Topics Covered: The event will include a one day field trip of FGD applications at mines in Ohio and a two day forum on FGD Placement, Leachate Protocols for Hydrologic Assessment, Peer Review of NAS CCB study, and the CCB Regulatory Status.

Target Audience: State regulatory authorities, federal agencies, university experts, consultants, and the electric power and mining industry.

Accomplished: There were 123 participants registered for the forum. Approximately 80 registrants participated in a one day field trip of FGD applications at power plants and mines in Ohio. 100 percent of the participants rated the event as very satisfactory or better.

Contact: Kimery Vories, OSM, Alton, IL (618) 463-6463 x 103.

**Nov 28-Dec 1 2006**

**Autodesk 2006 University (AU) Conference, Las Vegas, NV**

**December 6-7, 2006**

**Applied Research Conference 2006: Advances in Energy Resource Extraction and Restoration, Ohio University, Athens, Ohio**

Background: The conference provides mineral resources professionals with an opportunity to discuss current issues and new research and technologies relating to mineral resource extraction throughout the Ohio Valley including coal, industrial minerals, oil and gas; plus innovations in land and water restoration techniques. The conference is viewed as a valuable resource for state and federal reclamation and environmental protection specialists, regulatory agency personnel, university researchers, mineral extraction and reclamation professionals, policy decision-makers, and local watershed restoration groups.

Topics Covered: mineral resource extraction (coal, industrial minerals, oil and gas); land and water restoration techniques

Target Audience: State and federal regulatory authorities, university experts, consultants, mining industry professionals, and citizen groups.

Contact: <http://www.dnr.state.oh.us/mineral/arc/index.htm>

FY 2007

**Technical Innovations and Professional Services (TIPS)  
SoftwareApplicationTraining Program TIPS Training Centers (Alton,  
IL, Denver, CO, Pittsburgh, PA and Customer sites)**

Background: TIPS provides training in the use of its software applications as a core business activity. TIPS have offered reclamation-focused core software training for nearly a decade. The importance of this program to the overall success of TIPS is best expressed by a Steering Committee member who said that, “Training, training, and training” were the top three priorities of his state regarding TIPS services. TIPS computer application training is performed at the three TIPS Computer Training Centers in Alton, Denver, and Pittsburgh, with need-based customer on-site training where appropriate.

<b>TIPS Courses</b>
Advanced Topics for Permitting and Reclamation using AutoCAD
AMDTreat for Acid Drainage Treatment Cost Estimation
Analyzing Environmental Monitoring Data Using StatGraphics Plus
ARCGIS Spatial Analyst: for Mining and Reclamation
ArcPAD 6: Mobile GIS for Reclamation Mapping and Analysis
Autodesk Map for Permitting and Reclamation
Blast Log Evaluation Program (BLEP)
CAD Applications for Permitting and Reclamation
Galena Slope Stability Analysis
GeoExplorer 3 GPS & PF Office: Advanced GPS Mapping for Recl.
GPS Analyst for ArcGIS
Image Analysis and Stereo Analyst for ArcGIS
Intro to ArcGIS - ArcINFO 8.X Desktop for Mining & Reclamation
Intro to Remote Sensing & Photogrammetry for Permitting & Insp. Using ERDAS Imagine
Introduction to ArcGIS for Mining and Reclamation
Modeling and Analysis with Groundwater Vistas
SDPS: Surface Deformation Prediction System
SEDCAD Applications and Extensions for Mine Permitting and Reclamation
Statistics Workshop: Interpretation of Water Quality Data using Statgraphics and AquaChem
SurvCADD for Reclamation and Permitting
Testing and Analysis of Aquifer Characteristics with AQTESOLV
Trimble GeoXT, Terrasync and PF Office: Mobile Computing for Reclamation
Underground & Surface Mine Mapping with Autodesk Raster Design & Autodesk Map
Underground Mine Mapping with GIS
Water Quality Analysis using AQUACHEM

FY 2007

**NATIONAL TECHNICAL TRAINING PROGRAM (NTTP) Nationwide  
(closest proximity to student offices)**

Background: The National Technical Training Program is designed to increase the technical competence and professionalism of Federal, State, and Tribal personnel. The program provides critical updates on the latest technological advances in mining and reclamation technology and fosters consistent application of standards by providing training related to permit approval, reclamation and enforcement and bond release. The program works to ensure that the succession planning goals of surface mining agencies providing training or cross-training in 37 technical, legal, and programmatic areas. All efforts of the program from needs identification through instruction are a joint effort of State, Tribal, and OSM teams. 85% of students are from the States and Tribes. 40% of instructors are from States, 50% from OSM, and 5% from the DOI Solicitors' office.

<b>NATIONAL TECHNICAL TRAINING PROGRAM (NTTP) COURSES</b>
Acid-Forming Materials (6 courses)
Abandoned Mine Land Design Workshops (highwalls, fires, openings, subsidence, landslides)
Blasting (basic and advanced)
AML Project Management
AML Realty
Bonding (legal and cost-estimation)
Effective Writing
Engineering (basic and spoil handling)
Inspection (2 courses)
Instructor Training
Historic and Archeological Resources (2 courses)
Hydrology (2 courses)
Legal (enforcement procedures, evidence preparation, expert witness)
NEPA Procedures
Permit Findings
Soils & Revegetation (2 courses)
SMCRA & ESA
Underground Mining (2 courses)
Wetlands

## GLOSSARY

**LIMITED INTEREST MEETING** — This term reflects meetings/conferences that are generally by invitation only reflecting limited focus and interest. These meetings are held primarily by standing teams, steering committees, task forces, etc.

### Acronyms

AML	Abandoned mine Land
ACSP	Appalachian Clean Streams Program
ADTI	Acid Drainage Technology Initiative
ARCC	Appalachian Regional Coordinating Center
ARTTT	Appalachian Regional Technology Transfer Team
ASMR	American Society of Mining and Reclamation
CAD	Computer-Aided Design
CCB	Coal Combustion Byproducts
CHIA	Cumulative Hydrologic Impact Assessment
CIA	Cumulative Impact Area
DGPS	Digital Global Positioning Systems
DOE	Department of Energy
EPA	Environmental Protection Agency
FBC	Fluidized Bed Combustion
GIS	Geographic Information System
GPS	Global Positioning Systems
IMCC	Interstate Mining Compact Commission
ISM	Information System Management Division
MCRCC	Mid-Continent Regional Coordinating Center
NTTP	National Technical Training Program
NTTT	National Technology Transfer Team
OSM	Office of Surface Mining
OSM-HQ	Office of Surface Mining-Headquarters
OSM WAN	OSM Wide Area Network
PHC	Probable Hydrologic consequences
R&D	Research and Development
RD-WRCC	Regional Director, Western Regional Coordinating Center

SME	Society for Mining Metallurgy and Exploration
SMCRA	Surface Mining Control and Reclamation Act
TIPS	Technical Innovations and Professional Services
TIPS TEAM	TIPS National Team
TIPS-SC	TIPS Steering Committee
WIEB	Western Interstate Energy Board
WRCC-OTT	Western Regional Coordinating Center-Office of Technology Transfer
WRTT	Western Regional Technical Team