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# NATIONAL TECHNOLOGY TRANSFER TEAM

## TECHNOLOGY TRANSFER EVENTS CALENDAR

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**2011 EVENTS ARCHIVE**



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U.S. DEPARTMENT OF THE INTERIOR  
OFFICE OF SURFACE MINING  
WASHINGTON, DC

## TABLE OF CONTENTS

<b>February 6-9, 2011</b>	<b>International Society of Explosives Engineers .....</b>	<b>3</b>
<b>April 11-15, 2011</b>	<b>Stream Mitigation/Restoration Workshop .....</b>	<b>3</b>
<b>May 9-12, 2011</b>	<b>Northern Latitudes Mining Reclamation Workshop .....</b>	<b>4</b>
<b>May 10-13, 2011</b>	<b>The National Map Users Conference and USGS GIS Workshop.....</b>	<b>4</b>
<b>May 9-12, 2011</b>	<b>World of Coal Ash Conference (WOCA).....</b>	<b>5</b>
<b>May 16-17, 2011</b>	<b>Clean Coal Technologies: The Future of Coal-Fired Power .....</b>	<b>6</b>
<b>May 17-19, 2011</b>	<b>Mid-Continent Region Natural Stream Design Workshop, Mount Vernon, IL .....</b>	<b>7</b>
<b>June 7, 2011</b>	<b>Forestry Reclamation Approach Workshop, Jasper AL .....</b>	<b>8</b>
<b>June 11-16, 2011</b>	<b>28th National Meeting of the American Society of Mining and Reclamation, Bismarck, ND.....</b>	<b>9</b>
<b>June 13-17, 2011</b>	<b>8th Annual Society of American Indian Government Employees Meeting, Cherokee Hard Rock Hotel, Tulsa, OK .....</b>	<b>10</b>
<b>June 15-16, 2011</b>	<b>Coal Power Plant Fundamentals .....</b>	<b>11</b>
<b>June 26-28, 2011</b>	<b>Rocky Mountain Coal Mining Institute.....</b>	<b>12</b>
<b>August 23-25, 2011</b>	<b>Colorado Coal and Power Generation Colorado Water Congress, Sheraton Steamboat Springs, CO .....</b>	<b>12</b>
<b>September 17-22, 2011</b>	<b>Mine Closure Conference .....</b>	<b>13</b>
<b>September 20-22, 2011</b>	<b>Appalachian Region Technology Transfer Team - Fall 2011 Meeting.....</b>	<b>14</b>
<b>September 20-23, 2011</b>	<b>COE Natural Channel Design Review Checklist Workshop.....</b>	<b>14</b>
<b>September 25-28, 2011</b>	<b>39th Annual (NASLR) Conference “Protecting Tomorrow’s Waterways through Responsible Land Reclamation Today” .....</b>	<b>15</b>
<b>October 6-7, 2011</b>	<b>Texas Surface Mine Reclamation Workshop .....</b>	<b>16</b>
<b>November 15, 2011</b>	<b>Coal and Water in Central Appalachia: The Challenge to Balance.....</b>	<b>17</b>
<b>February 12-15, 2012</b>	<b>International Society of Explosives Engineers Annual Conference on Explosives and Blasting Technique .....</b>	<b>Error! Bookmark not defined.</b>

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# 2011 EVENTS

**FEBRUARY 6-9, 2011**

## **INTERNATIONAL SOCIETY OF EXPLOSIVES ENGINEERS**

**Description:** The International Society of Explosives Engineers will sponsor the 37th Annual Conference on Explosives and Blasting Technique. This event will be held at the Town and Country Resort in San Diego, California.

**Topics Covered:** Blasting

**Target Audience:** Professional Blasters

**Contact:**

**International Society of Explosives Engineers,**  
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Fax (440) 349-3788  
Web: [www.isee.org](http://www.isee.org)

**APRIL 11-15, 2011**

## **STREAM MITIGATION/RESTORATION WORKSHOP**

**Description:** This workshop aims to provide information that will allow for improved review of stream mitigation plans. Participants will be asked to provide input into a comprehensive list of considerations that should be taken into account when evaluating stream mitigation plans to ensure that these plans, when executed, will result in appropriate mitigation that offsets environmental losses resulting from unavoidable impacts to waters of the United States..

**Topics Covered:** An overview of 2008 EPA/Corps Mitigation Rule, a comparison of existing SMCRA regulations and the proposed Stream Protection Rule, stream processes, stream assessment, stream restoration design, mining practices that may reduce adverse effects to streams, on and off-site mitigation successes/lessons learned, and long-term protection of mitigation sites.

**Target Audience:** State (401, 402, SMCRA, Fish and Wildlife) and Federal (Corps, EPA, OSMRE, USFWS) Regulatory and Resource Agencies who review, comment on and/or approve compensatory stream mitigation plans for surface coal mining projects in Appalachia.

**Limited Interest Meeting:** YES

**OSM Exhibiting:** NO

**Contact/Registration Info:**

The Corps of Engineers, U.S. Environmental Protection Agency, USFWS, and OSM  
<http://www.horsleywitten.com/appalachian/>

**Facility/Location:** Hilton Lexington/Downtown, Lexington, Kentucky

**MAY 9-12, 2011**

## **NORTHERN LATITUDES MINING RECLAMATION WORKSHOP**

**Description:** The Northern Latitudes Mining Reclamation Workshop is an international workshop on mining, land and urban reclamation and restoration methods. The objective of the workshop is to share information and experiences among governments, industry, consultants, Alaska Natives, northern First Nations and Inuit groups which undertake reclamation and restoration projects, or are involved in land management in the north or in comparable environments.

**Topics Covered:** Abandoned mine site remediation and reclamation, applications of local knowledge to improve results, case studies on what worked and what might not have, strategies for northern climatic conditions.

**Target Audience:** Governments, industry, consultants, Alaska Natives, northern First Nations and Inuit groups.

**Contact(s):**

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**MAY 10-13, 2011**

## **THE NATIONAL MAP USERS CONFERENCE AND USGS GIS WORKSHOP**

**Description:** The goal of the interactive workshop and conference is to serve and enhance communications among the communities of users of *The National Map*, Federal GIS specialists and scientists, and data providers. The event will focus on user and partner interaction using various formats: interactive panels, lightening sessions, poster presentations, workshops, as well as presentations and demonstrations. This gathering is designed to provide a relaxed, collaborative, and informative venue to explore the direction of *The National Map*, mapping trends, and GIS applications.

**Topics Covered:** Topics will include existing applications and visions for future scientific and modeling applications using *The National Map*, opportunities for partnerships, and advances in geospatial technologies.

**Target Audience:** Scientists, professionals, and other users of GIS and **The National Map**.

**Contact(s):**

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**MAY 9-12, 2011**

**WORLD OF COAL ASH CONFERENCE (WOCA)**

**Description:** WOCA is a joint meeting combining separate symposia previously held by the American Coal Ash Association and the University of Kentucky Center for Applied Energy Research. WOCA also incorporates 'satellite' meetings sponsored by government and private organizations as well as an educational short courses.

**Topics Covered:** Presentations will encompass not only the utilization of coal ash and flue gas desulfurization materials, but will cover sustainable projects using CCPs, emerging technologies, general ash management (including disposal), mercury related topics, recent research and specific case studies, international activities and regulatory topics from the local, state and federal perspectives.

**Target Audience:** Industry

**Contact(s):**

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**MAY 16-17, 2011**

## **CLEAN COAL TECHNOLOGIES: THE FUTURE OF COAL-FIRED POWER**

**Description:** Though coal continues to be a target of regulatory action across the United States, and governments worldwide have plans to shutter coal-fired plants, coal is expected to remain a dominant source of electricity for years to come. The U.S. Department of Energy and other organizations are putting millions of dollars into research and development of new power-generation technologies for coal. New projects to reduce emissions and waste from coal-fired plants are being deployed in an effort to diminish pollution, including greenhouse gases, while improving the efficiency of power generation. Opportunities from clean coal research, development, and commercialization include advanced coal cleaning, carbon capture and sequestration, carbon storage and transport, gas separation, advanced combustion, coal-to-liquids, and other methods. This conference will provide an overview of current and planned technologies for the continued use of coal in power generation. It will provide technical information about some of these technologies and their prospects for commercialization. It will look at the role of government in furthering “clean coal” projects and supporting innovation in future power generation.

### **Topics Covered:**

- Examine new technologies for coal-fired power generation ;
- Identify policy considerations for coal use ;
- Analyze commercial viability of new technologies ;
- Appraise regulatory effects and implications ;
- Formulate strategies for regulatory compliance ;
- Examine new technologies for clean coal;
- Formulate coal management and use plans;
- Compare investments in clean coal to investments in energy alternatives;
- Evaluate investment opportunities and funding options for new technologies;  
and
- Identify future scenarios for coal use.

**Target Audience:** Coal-fired power experts, Utility executives, Utility engineers, Coal company executives, Coal transportation companies, Coal industry leadership, Energy consultants, Energy technology experts, Energy investors, Energy policymakers

### **Contact(s):**

**Electric Utility Consultants, Inc. (EUCI)**

Phone: (303) 770-8800

Fax: (303) 741-0849

E-mail: (website): [www.euci.com](http://www.euci.com)

**MAY 17-19, 2011**

**MID-CONTINENT REGION NATURAL STREAM DESIGN WORKSHOP,  
MOUNT VERNON, IL**

**Description:** Arguably more than anywhere else in the United States, streams within the Midwest are highly impacted by centuries of anthropogenic impacts predominately rooted in agriculture, drainage improvements, and navigational development. Riparian buffers were reduced or lost and stream beds were channelized resulting in increased nutrient load, increased sedimentation, channel incision, and aquatic habitat loss. Traditional mining and reclamation methods often replace these streams with rock lined ditches or remove them entirely. However, due to today's modern advances in technology, it is now possible to design streams that mimic both the look and the functionality of nature. Steep rock lined ditches are replaced by meandering streams specifically designed to efficiently convey water without excessive erosion or sediment loading and provide a proper mix of habitat zones essential for sensitive aquatic life. Today, mine reclamation may provide a unique opportunity to not just return a Midwestern stream to its pre-mined state, but improve functionality and restore/create a more natural and ecologically sound system.

In recent years, increasing pressure has been put on the mining industry to improve landform reclamation and mitigation of stream impacts. In response, OSM sponsored a forum entitled "Geomorphic Reclamation and Natural Stream Design at Coal Mines" in Bristol, Virginia that addressed many aspects of natural landform and stream design from a national scale. Since that forum, state and industry personnel within the Mid Continent Region (MCR) have identified a need for more focused discussion and education on stream design, construction, and monitoring elements unique to the region. The response was to design a workshop more accessible to Midwestern personnel. The workshop will focus attention on the unique challenges and ecological benefits of utilizing natural stream design methods and practices for coal mine reclamation in the Midwest. In addition, this workshop will provide valuable support to OSM's and the State's current charge of improving protection for streams affected by surface coal mining.

**Topics Covered:** Technical Session topics include: Midwestern Stream Characteristics, Design and Engineering, Regulatory Issues, Monitoring, and Stream Reclamation Case Studies. This field intensive workshop will include two full-day tours to reclaimed stream projects of widely varying size and age within Southern Illinois and Southwestern Indiana.

**Target Audience:** Regulators, Industry, and Academia involved in stream reclamation of surface mined lands in the Midwest

**Contact(s)/Registration:**

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Final Workshop Agenda and any future updates will be posted on MCR's regional

Webpage: [www.mcrc.osmre.gov](http://www.mcrc.osmre.gov). This is a no cost event.

**JUNE 7, 2011**

**FORESTRY RECLAMATION APPROACH WORKSHOP, JASPER AL**

**Description:** The Forestry Reclamation Approach (FRA) is a method for reclaiming mined land to productive forestland, based on scientific research and practical experience. For more information about the FRA, please refer to the attached Forest Reclamation Advisory No. 2. This workshop will include a discussion of the FRA five-step method and the benefits of reforestation as a post mining land use for surface coal mining reclamation. The program will be geared toward landowners, industry and Federal/ State agencies. The morning session at the Beville State Community College will be followed by lunch and a field visit to Taft Coal Sales Choctaw Mine's FRA demonstration plots established in the spring of 2010.

**Topics Covered:** Forestry Reclamation Approach and Reforestation Benefits

**Target Audience:** Industry, Landowners, Federal and State agencies

**Contact(s):**

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**JUNE 11-16, 2011**

**28TH NATIONAL MEETING OF THE AMERICAN SOCIETY OF MINING AND RECLAMATION, BISMARCK, ND**

**Description:** The American Society of Mining & Reclamation (ASMR) has as its theme “Reclamation: Sciences Leading to Success.” A fundamental need of reclamationists worldwide is the expansion of the opportunities for technology transfer. As such, ASMR holds an annual meeting where information is exchanged between academic professionals, those who are practicing reclamation in the field, students, and all other interested persons. The multidisciplinary nature of land reclamation provides opportunity for those with specialized interests to organize workshops, prepare special sessions for the National meetings, and publish handbooks and manuals. The goal is to provide a mechanism to encourage both written and verbal technology transfer. The proceedings for the meetings provide valuable references for those concerned with land reclamation.

**Topics Covered:** Topics will include innovations and case studies in Water Management, Soils and Overburden Handling, Reforestation, Wildlife Habitat Revitalization Plant Ecology, Geotechnical Engineering, Refuse and Tailings Management, Land Use and Design, and Superfund Reclamation.

There will be a pre-conference tour to the Dakota Coal Gasification Plant and a Post Conference tour for Young Professionals to the Mandan ARS Laboratory.

Workshops will tentatively cover: Geotechnical Systems, RUSLE 2, GARD, 40 Years of Reclamation by Bruce Buchanan, and Improving Your Presentation.

The OSM Western Region Technology Transfer Team will hold a **Bond Release Challenges on Coal Mining Operations in the Western U.S. Workshop and a Western Regional Technology Transfer Meeting.**

**Target Audience:** Industry reclamation managers, researchers and technical staff, consultants, state Tribal, and Federal agencies' natural resource and reclamation staff.

**Contact(s) :**

**Henry Austin, OSM (WR)**

Phone: (303) 293-5019

**Conference website:** <http://www.asmr.us/index.php>

**JUNE 13-17, 2011**

**8TH ANNUAL SOCIETY OF AMERICAN INDIAN GOVERNMENT EMPLOYEES  
MEETING, CHEROKEE HARD ROCK HOTEL, TULSA, OK**

**Description:** The Society of American Indian Government Employees (SAIGE) is a private, national nonprofit organization founded to promote the recruitment, hiring, retention, development and advancement of American Indians and Alaska Natives in the government workforce, and to assist Federal agencies in fulfilling the Indian Trust Responsibility.

**Topics Covered:**

Agencies' response to the President's Directive on Tribal Consultation; Healing from the Boarding School Experience; Cultural presentations from Osage, Comanche and Muscogee Creek Nations; Indian Trust Fundamentals; The Doctrine of Discovery and the UN Declaration on Indigenous Rights; Following your Passion in your Profession; Effective Conservation Partnerships in Indian Country; Federal Government and Sacred Sites; Leadership in MD-715; Working in Indian Country: A Tribal Consultation Intensive; Images of Indians in Federal Buildings; Building Relationships with Native Communities to increase STEM Exposure; Federal Contracting with Native Businesses; and Working Government to Government.

**Target Audience:** Federal/State/Tribal Government Employees.

**Contact(s) :**

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**Kimberly Yellowrobe**

Phone: (866) 964-1941 ext. 14050

**Conference website:** <http://www.saige.org>

**JUNE 15-16, 2011**

## **COAL POWER PLANT FUNDAMENTALS**

**Description:** This general introductory course provides some basic engineering concepts needed to understand how a coal-fired power plant works, followed by a general overview of power plant layout and operating principles. All major systems in the power plant will be discussed, from coal handling to the switchyard. Relationships between power plant systems will be illustrated. **The focus will be on simple presentation of complex engineering ideas, so attendees are not required to have an engineering or scientific background to attend this seminar.**

### **Topics Covered:**

- Identify how energy is released from fuel and how it is transformed into electrical energy by a power plant;
- Discuss the basic principles of heat, work, and energy in the power cycle;
- Review how the major equipment and sub-systems in a power plant work and how they work together;
- Analyze how certain factors can affect the performance and availability of a power plant;
- Review the basic operating principles of a power plant; and
- Discuss how electricity is directed out of the power plant.

### **Target Audience:**

- New employees who work at or deal with coal-fired power plants;
- Generation dispatchers who need a basic understanding of coal-fired power plant operation;
- Regulators, communications staff, and others who need a basic understanding of coal-fired power plant operations;
- Administrative or management support professionals who need a better understanding of coal-fired power plants to plan and implement projects;
- Corporate accountants who desire more information on coal-fired power plant operations and the factors that can affect operating costs; and
- Sales professionals who must have knowledge of coal-fired power plant operations to better serve customers.

### **Contact(s):**

**Electric Utility Consultants, Inc. (EUCI)**

Phone: (303) 770-8800

Fax: (303) 741-0849

E-mail: (website): [www.euci.com](http://www.euci.com)

**JUNE 26-28, 2011**

**ROCKY MOUNTAIN COAL MINING INSTITUTE**

**Description:** This convention is unparalleled in its focus on challenges and successes in Western Coal Mining issues. Our corporate mandate is to *“Promote western coal through education.”*

**Topics Covered:** Challenges and successes in Western Coal Mining issues.

**Target Audience:** Educators, Federal, State, public.

**Contact(s):**

**RMCMCI**

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**AUGUST 23-25, 2011**

**COLORADO COAL AND POWER GENERATION COLORADO WATER CONGRESS,  
SHERATON STEAMBOAT SPRINGS, CO**

**Description:** The first two days of the joint conference focus on current issues in water supply and protection including population growth, financing issues and political dynamics. The *Water and Energy Reception* Wednesday night, marks the transition into Thursday’s conference sessions focused on energy and its relationship to water and economic development.

In conjunction with this conference, The Colorado Water Congress will hold its annual Summer Conference and Membership Meeting with more than 200 in attendance, providing another important opportunity for education, legislative updates, networking and more.

**Topics Covered:** Water protection, water supply, energy sources, energy supply.

**Target Audience:** Industry, educators, Federal, State, public.

**Contacts:**

[www.cowatercongress.org](http://www.cowatercongress.org),

[www.nwcolocoal.com](http://www.nwcolocoal.com)

## SEPTEMBER 17-22, 2011 MINE CLOSURE CONFERENCE

**Description:** The Australian Centre for Geomechanics (ACG) was established in 1992 to promote research and education in the field of geomechanics for Australia's extractive resource industries. The aim is to ensure safer working environments for all resources (human and capital) and to add value to this most important of Australian industries.

The Centre for Land Rehabilitation was established in 1995 and specialises in research, consultancy and professional training. With strong links to other research establishments at state, national and international level, it is a multi-disciplinary centre that deals with the restoration and rejuvenation of ecosystem function in a wide range of degraded landscapes. The Centre is located within the School of Earth and Environment, in the Faculty of Natural and Agricultural Sciences at the University of Western Australia. The Centre for Land Rehabilitation applies expertise from a range of disciplines including soil science, geomechanics, hydrology, geochemistry, soil biology, plant nutrition, plant physiology, restoration ecology and resource economics to the management of disturbed lands.

**Topics Covered:** Over 500 delegates from North America and overseas are expected to attend Mine Closure 2011. Many will submit papers for the technical program that emphasizes innovation and showcases the application of state-of-the-art technologies and cost-conscious practices as industry specialists seek to minimize the environmental footprint, provide for sustainable mining practices and avoid end-of-mine liabilities.

**Target Audience:** Engineers and reclamation specialists

**Contact(s):**

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Conference Chair

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Conference Manager

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## SEPTEMBER 20-22, 2011 APPALACHIAN REGION TECHNOLOGY TRANSFER TEAM - FALL 2011 MEETING

**Description:** The Office of Surface Mining Reclamation and Enforcement's (OSMRE) Appalachian Region Technology Transfer Team (ARTT) will conduct their Fall Team Meeting at Stonewall Resort in Roanoke, WV

**Topics covered:** . This 2 ½ day meeting will focus on updating the ARTT team on technology transfer initiatives with sharing of technology news from States; presentations on final reports for technical assistance; and applied science projects and updates from NTTP, TIPS, and IMCC.

**Target Audience:** Appalachian Region Technology Transfer team, NTTP, TIPS and IMCC personnel.

**Contact(s):**

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## SEPTEMBER 20-23, 2011 COE NATURAL CHANNEL DESIGN REVIEW CHECKLIST WORKSHOP

**Description:** This course provides participants with training on how to use the Natural Channel Design Review Checklist. The course starts with an overview of stream processes, channel stability and function, restoration potential, and natural channel design techniques. Exercises are used to reinforce the concepts. From there, the participants are introduced to the checklist and use it to review two case studies. A field trip is used to demonstrate measurement techniques and to critique local restoration projects if available. For locations that do not have restoration projects, a tour of a degraded or reference reach stream will be used to demonstrate critical measurement techniques. Participants will leave the workshop prepared to apply the Checklist to future designs that are submitted for their review. It can also be used as a guide to help determine the tasks required to complete a natural channel design, which is a helpful aid for designers.

**Topics covered:** . This 4 day course offers an overview of stream processes, channel stability and function, restoration potential, and natural channel design techniques.

**Target Audience:** federal and state agencies, as well as private consulting firms

**Contact(s):**

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**COE Casey Ehorn**

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**SEPTEMBER 25-28, 2011 39TH ANNUAL (NASLR) CONFERENCE “PROTECTING TOMORROW’S WATERWAYS THROUGH RESPONSIBLE LAND RECLAMATION TODAY”**

**Description:** This event provides government employees, higher education students and staff, corporate sponsors, and companies involved in land reclamation with the opportunity to attend a storied professional development conference, where Continuing Education Units are awarded to attending individuals.

**Topics:** Stream restoration projects; stream trend station modeling; stream ecosystem assessment for mining evaluations; post mining land use on reclaimed mountain top removal sites; and others.

**Target Audience:** Public and private sector individuals that share a commitment for the responsible recovery of our natural resources in a manner that promotes cost effective and efficient environmental stewardship.

**Contact(s):**

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**Facility/Location:** Glade Springs Resort, Glade, West Virginia.  
Room reservations may be made by contacting the Glade Springs Resort at **866-562-8054** or [www.gladesprings.com](http://www.gladesprings.com). Request to book a room for the 2011 NASLR Conference. Room rates are \$84 plus taxes and fees per night, including all taxes and fees. This rate is available Sept. 24-30, 2011. Reservations must be made by Aug.15 to ensure the conference rate.

**OCTOBER 6-7, 2011**

**TEXAS SURFACE MINE RECLAMATION WORKSHOP**

**Description:** This annual workshop is sponsored by the Texas cooperative extension program and the agricultural experiment stations and will feature talks focusing on lignite mining and reclamation in Texas, Louisiana, and Mississippi.

**Topics:** Watershed Management, Wetlands Mitigation, Stream Restoration, Acid Seep Engineering, Weed Control and Invasive Species..

**Target Audience:** Industry, State, University, and Federal Technical staff. Participants in attendance are approximately between 80-100.

**Contact(s):**

**Toni Edwardson**

Phone: (979) 845-0884

E-mail: [tedwardson@ag.tamu.edu](mailto:tedwardson@ag.tamu.edu)

**Internet Registration available at:** [www.peopleware.net/1542b](http://www.peopleware.net/1542b)

**Facility/Location:** COLLEGE STATION, TEXAS



**Description:** Invited speakers will provide perspectives on water-protection policies that affect mining operations. Technical presentations will address the influences of coal mining practices on total dissolved solids, selenium, aquatic biota, and hydrology of rivers and streams in the region. Symposium participants will have the opportunity to ask questions and contribute to group discussions. A certificate of attendance will be awarded for 5 contact hours to registered attendees who participate in the full symposium. Hosted by Virginia Water Resources Research Center, West Virginia Water Research Institute and Kentucky Water Resources Research Institute

**Registration:** Registration allows for participation in all symposium activities, including refreshment breaks and lunch. Standard registration is \$110.00. Currently enrolled students are eligible to participate in the symposium at the student registration rate of \$80.00. To register, go to <http://www.wvwaterconference.org>.

**Topics Covered:** Water resources and coal mining in the central Appalachians, coal mining practices on total dissolved solids, selenium, aquatic biota, and hydrology of rivers and streams in the region.

**Target Audience:** Professionals with an interest in policies and scientific information associated with water resources and coal mining in the central Appalachians.

**Contact(s):**

**Ms. Jane Walker**

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**Facility/Location:** The Inn at Virginia Tech and Skelton Conference Center, Blacksburg, Virginia. Special Rates in Effect until October 14, 2011. Rooms have been reserved at the Holiday Inn, across from The Inn at Virginia Tech and Skelton Conference Center, at the special rate of \$95 plus tax per room for the evening of November 14, 2011. To make your room reservation, call (540) 552-7001 and request the "Water Research Symposium" rate. The special rate only applies while rooms are available in our block and only until October 14, 2011.

To learn more about the symposium, see <http://www.wvwaterconference.org>.