

*1996 Eastern PA Abandoned Mine Land And Acid Mine Drainage Conference*

*Sponsored By:*

*Pennsylvania Environmental Council*

*Hosted By:*

*Wilkes University - School of Science and Engineering*

*Co-Sponsored By:*

*PA Organization of Watersheds and Rivers, EPA Region III*

*Contributors:*

*Earth Conservancy, Wyoming Historical and Geological Society*



*"The Energy Of Anthracite"*

*By Tom Wagner*

*Thank You For Participating in the 1996 Eastern PA Abandoned Mine Land and Acid Mine Drainage Conference  
June 7 and 8, 1996*

## A Special Thanks To All The Following Cooperating Groups...

Eastern PA Coalition for Abandoned Mine Reclamation  
US Geological Survey  
US Department of the Interior-OSM  
PA Coal Association  
DEP, Bureau of Abandoned Mine Reclamation  
DEP, Bureau of Land and Water Conservation  
Schuylkill Co. Conservation District  
Lackawanna Co. Conservation District  
Northumberland Co. Conservation District  
Sullivan Co. Conservation District  
National Resource Conservation Service  
Carbon Co. Conservation District  
Dept. of Geology, Bucknell University  
Appalachian Clean Streams Initiative  
The Appalachian Regional Commission  
D.A. Kessler Construction Company  
Technical Assistance International, Incorporated  
Wildlands Conservancy  
PA Fish and Boat Commission  
National Mine Land Reclamation Center  
PA Association of Conservation Districts  
Schuylkill Co. Trout Unlimited  
Clarion University  
Tucker Coal Company

Skelly and Loy, Incorporated  
Economic Development Council of NE PA  
Williams Valley School District  
Swatara Creek Watershed Association  
PA Anthracite Council  
Pocono NE RC & D  
Columbia Co. Conservation District  
Luzerne Co. Conservation District  
Valley Forge Chapter Trout Unlimited  
Coastal Environmental Services  
PA Game Commission  
National Institute for Environmental Renewal  
DEP, Bureau of Mining and Reclamation  
NE Region Trout Unlimited  
Lackawanna River Corridor Association  
Susquehanna River Basin Commission  
The Philos Foundation  
DEP, District Mining Office- Pottsville  
Damariscotta  
DEP, NE Regional Office- Wilkes-Barre  
Environmental Management Association  
Alliance for the Chesapeake's Bay Journal  
Luzerne County Cultural Council  
PA League of Women Voters

## And Keynote Speakers...

Robert J. Uram - Director - Office of Surface Mining and Reclamation Enforcement  
Robert C. Dolence - Deputy Secretary for Mineral Resources Management - Pennsylvania Department of Environmental Protection  
Paul E. Kanjorski - US Congressman for the 11th District, Pennsylvania  
David G. Arzell - PA State Representative for Schuylkill County - Chair, Joint Legislative Air & Water Pollution Control & Conservation Committee  
Ted J. Clutter - Director of Communications - Pennsylvania Coal Association

# 1996 Eastern PA Abandoned Mine Land and Acid Mine Drainage Conference at Wilkes University

The purpose of this Conference is to foster an exchange of information, cooperation, coordination, and networking in an effort to try and alleviate Abandoned Mine Land and Acid Mine Drainage problems in the Anthracite Region of NE Pennsylvania. Ideas are needed that could be put to work in the local and regional areas. Grassroot levels will also have an opportunity to find out how to get a project off and running, what environmental groups are out there (potential coalition building partnerships) to help them, and where monetary assistance may be available, through state and federal grants, foundations, and other resources.

Friday, June 7, 1996  
AGENDA

8:00AM Registration, Coffee, Display Area Open

9:15 Welcome and Opening Remarks

Dr. Christopher Breiseth, *President, Wilkes University*

Janie French, *President, PA Organization of Watersheds and Rivers*

Bernie Sarnoski, *Acid Mine Drainage Coordinator, EPA, Region III*

9:30 Keynote Speaker, Robert J. Uram

*Director, Office of Surface Mine Reclamation and Enforcement*

10:00 Session 1: (PLENARY)

"Anthracite AMD: A History and Perspective"

Jim LaRegina, *Environmental Consultant*

10:30 Break: Tom Wagner's "Energy In Anthracite" Exhibit

10:45 Session 2: (BREAKOUT)

A. "Understanding Sources, Occurrence, and Quality of Acid Mine Drainage in the Wyoming Valley"

Tom Walski, *Assoc. Prof., GeoEnvironmental Science & Engineering*

Bill Tarutis, *Asst. Prof., GeoEnvironmental Science & Engineering*

Ken Klemow, *Assoc. Prof., Biology*

*(Presented by Wilkes University Professors)*

B. "Watershed Restoration: Measurements of Success"

Doug Kepler, *Restoration Ecologist, Damariscotta*

11:30 Session 3: (BREAKOUT)

A. "The Little Nescopeck Creek Watershed and the Jeddo Mine Tunnel Project"

Jennifer Robinson, *Director, Stream Conservation Program*

*Wildlands Conservancy*

B. "Land Reclamation with Wildlife Considerations"

Dennis Dusza, *Land Management Group Supervisor*

*PA Game Commission*

12:00 Lunch

12:15 Keynote Address: Robert C. Dolence

*PA DEP, Deputy Secretary for Mineral Resources Management*

1:15 Session 4: (BREAKOUT)

A. "A Different Approach to Environmental Remediation"

James H. Saling, *Technical Programs Director*

*National Institute for Environmental Renewal*

B. "BAMR's Reclamation Projects and AMD Programs"

Paul Linnan, *DEP, Bureau Director, Field Operations, BAMR*

Michael Ferko, *DEP, District Mining Engineer, BAMR*

2:00 Session 5: (BREAKOUT)

A. "Stream and Watershed Restoration: Key to the Future"

Owen D. Owens, *Valley Forge Chapter, Trout Unlimited*

B. "Eliminating Acid Mine Drainage from the Susquehanna River: A Call to Action!"

Michael A. Dziak, *President and CEO, Earth Conservancy*

Thomas R. Chesnick, *Engineering Projects Manager*

*Earth Conservancy*

2:45 Break: Tom Wagner's "Energy In Anthracite" Exhibit

3:00 Session 6: (BREAKOUT)

A. "The Shamokin Watershed Assessment Involving Undergraduates and The Potential for Using Treated Mine Drainage as a Resource"

Carl S. Kirby, *Asst. Prof., Geology, Bucknell University*

Dave Moratelli, *Conservation Technician*

*Northumberland County Conservation District*

B. "A Watershed Approach to Solving Water Quality Issues"

Patricia P. Acker, *Technical Programs Manager*

*National Institute for Environmental Renewal*

3:30 Tour- *The Wyoming Historical & Geological Society Museum*

5:00 Dinner Dinner Speaker: Paul E. Kanjorski

*US Congressman, 11th District (Luzerne County)*

7:00PM History Alive! "Workin' In the Hole"

Frank Kehoe, *1905 Anthracite Coal Miner*

Richard N. Pawling, *Owner and Educational-Interpretive Specialist*

# 1996 Eastern PA Abandoned Mine Land and Acid Mine Drainage Conference at Wilkes University

The main goals of this Conference are to:

- X Serve as an advocacy function for all the AML-AMD programs and related agencies
- X Encourage and assist with the formation of local watershed associations that focus on AML-AMD issues
- X Serve as a forum for AML-AMD reclamation and remediation technology exchange and a place for innovative ideas
- X Promote and facilitate the demonstration of new AML-AMD reclamation and remediation technologies
- X Serve as a regional forum for review, comment, and strategy formulation relative to legislation that impacts AML-AMD
- X Facilitate the solicitation of funding alternatives and sources for AML-AMD projects

Saturday, June 8, 1996

## AGENDA

8:00AM Registration, Coffee, Displays

9:15 Welcome and Opening Remarks  
"The Future of Co-generation Plants in PA"

**Keynote Address: David G. Argall**

*State Representative (Schuylkill Co.)*

*Chair, Joint Legis. Air & Water Pollution Control & Conservation Committee*

10:00 Session 7: (BREAKOUT)

A. "Interfacing Local Advocacy for Government Support"

Janie French, *President, PA Organization of Watersheds and Rivers*

B. "Metal Extraction and Production of Compliant Waters  
from Acid Mine Drainage"

Hayward S. Melville, *V-President, Technical Assistance Internat'l, Inc.*

10:45 Break: Tom Wagner's "Energy In Anthracite" Exhibit

11:00 Session 8: (BREAKOUT)

A. "Assessment of Anoxic Limestone Drain Applicability"

Terry W. Schmidt, *P.E., Sr. Mining Engineer, Skelly and Loy, Inc.*

"Limestone Drains to Neutralize Acidic Mine Drainage"

Charles A. Cravotta, *Hydrologist, US Geologic Survey*

B. "How to Start Up a Grassroots AMD Cleanup Project"

Ed Wytovich, *Teacher, Swatara Creek Watershed Association*

11:45 Break: Tom Wagner's "Energy In Anthracite"  
Exhibit

12:00 Lunch (Boxed)

12:15 **Keynote Speaker, Ted J. Clutter**

*Director of Communications, Pennsylvania Coal Association*

1:00 Session 9: (BREAKOUT)

A. "Treatment of Acid Mine Drainage in the Nanticoke  
Creek Basin"

Tom Walski, *Assoc. Prof., GeoEnvironmental Science and Engineering*

Ken Klemow, *Assoc. Prof., Biology*

Bill Tarutis, *Asst. Prof., GeoEnvironmental Science and Engineering*

Steve Draus, *Engineering Associate*

*(Presented by Wilkes University Professors & Associate)*

B. "Wildlife Habitat on Reclaimed Lands"

Barry K. Ray, Sr., *Game Land Officer, PA Game Commission*

1:45 Session 10: (PLENARY)

"Introducing the new Eastern PA Coalition for Abandoned  
Mine Reclamation"

Dave Derbes, *Acting President, EPCAMR, Schuylkill Co. Trout Unlimited*

Ron Phelps, *Resource Coordinator, Pocono Northeast RC & D*

2:15 Session 11: (BREAKOUT)

A. "Appalachian Clean Streams Initiative & AML Reclamation  
& Emergency Programs in PA"

David Hamilton, *Appalachian Clean Streams Coordinator, OSM*

Mick Kuhns, *Chief of the Abandoned Mine Lands Program, OSM*

B. "Integration of GIS and GPS for the Management of AML"

Bill Toothhill, *Instructor, Wilkes University, GES Department*

Xiaoming Yang, *GIS-RS Specialist, Wilkes University, GES Department*

2:45 Break: Tom Wagner's "Energy In Anthracite" Exhibit

3:00 Session 12: (BREAKOUT)

A. "Revegetation of Strip Mines and Wastelands"

Larry Dash, *President, The Philos Foundation*

B. "EPA, Region III: Role and Functions in Northeast PA"

Bernie Sarnoski, *Acid Mine Drainage Coordinator, EPA, Region III*

3:45 Tour- AML-AMD Problems on Earth Conservancy Land

Tom Walski, *Assoc. Prof., GeoEnvironmental Science and Engineering*

Ken Klemow, *Assoc. Prof., Biology*

Bill Tarutis, *Asst. Prof., GeoEnvironmental Science and Engineering*

Steve Draus, *Engineering Associate*

*(Presented by Wilkes University Professors & Associate)*

## SITES

(Transportation provided)

1. Nanticoke Creek near Warrior Run
2. Dundee Road Outfall
3. Solomon's Creek Outfall

6:00 Dinner

7:00PM

Close of Conference