

# Shale Gas and the Environment

## A Research Strategy Session

### AGENDA

March 11, 2014  
10:00am – 3:00pm  
Barnette Room  
(Room 110-111)

Hosted by:

- ***WV Water Research Institute***
- ***Petroleum Technology Transfer Council – Appalachian Basin***

The Erickson Alumni Center  
One Alumni Drive  
Morgantown, WV 26504  
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- Welcome
- Presentations
  - *Troubleshooting Pits and Impoundments Throughout the Marcellus Shale Play*, Dr. John Quaranta
  - *Characterization and Management of Water and Waste Streams from Marcellus Shale Fields*, Dr. Paul Ziemkiewicz
  - *Benefits of Implementing Wireless Air Monitoring Systems in Marcellus Shale Fields*, Dr. Mike McCawley
  - *Cardiovascular Effects of Mountaintop Mining Particulate Matter: Similarities to Shale Gas Development*, Dr. Travis Knuckles
- Question and answer session
- Lunch
  - *Methane Emissions from Dual-Fuel Engines Utilized for Shale Gas Development*, Dr. Nigel Clark and Dr. Andrew Nix
- Focus of future research
- Adjournment