

# ENVIRONMENTAL LEGACIES AND PRODUCED WATER RELATED TO OIL AND GAS PRODUCTION

Using Science to Advance the Conversation

The National  
Academies of

SCIENCES  
ENGINEERING  
MEDICINE

NOVEMBER 15, 2018 | SALON A&B  
Marriott Pittsburgh Airport – 777 Aten Road, Coraopolis, PA

## AGENDA

9:00 AM Doors Open / Registration

Light refreshments available

10:00 AM Welcome, Introductions, and Objectives

**David Dzombak**  
Roundtable co-chair  
Carnegie Mellon University

## ENVIRONMENTAL LEGACY DISCUSSION

Moderated by: Amy Pickle, Roundtable member,  
Duke University

10:15 AM Environmental Legacy Video

10:25 AM Keynote: “Environmental Legacy Issues”

**Susan Brantley**  
The Pennsylvania State University

10:45 AM Environmental Legacy Panel

- Inventories, management, restoration related to wells and surrounding environment
- Data and technology
- Evolution of regulation and bonding

**Scott Perry**  
Pennsylvania Department of  
Environmental Protection

**Jennifer Baka**  
The Pennsylvania State University

**David Kinney**  
Trout Unlimited

**Dale Arnold**  
Ohio Farm Bureau Federation

12:00 PM

## LUNCH

## PRODUCED WATER DISCUSSION

Moderated by: Wendy Harrison, Roundtable co-chair,  
Colorado School of Mines

1:30 PM Produced Water Video

1:40 PM Keynote: “Produced Water”

**Radisav Vidic**  
University of Pittsburgh

2:00 PM Produced Water Panel

- Regional variability in chemistry/uncertainty in chemical characterization
- Regional/temporal variability with water volumes
- Treatment technologies and potential beneficial uses

**Richard Simmers**  
Ohio Department of Natural  
Resources

**Denise Akob**  
U.S. Geological Survey

**Dave Spigelmyer**  
Marcellus Shale Coalition

**Gautam Phanse**  
Chevron Technology Ventures

Workshop on

**ENVIRONMENTAL LEGACIES**  
AND **PRODUCED WATER**  
RELATED TO OIL AND GAS PRODUCTION

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NOVEMBER 15, 2018  
MARRIOTT PITTSBURGH AIRPORT

**Angie Rosser**

*West Virginia Rivers Coalition*

**3:15 PM**

**BREAK**

## PLENARY SESSION

**3:30 PM**

Plenary discussion and Q&A and wrap up

**David Cole**

*Roundtable member  
The Ohio State University*

**4:10 PM**

Closing remarks

**David Dzombak and**

**Wendy Harrison**

**4:15 PM**

Reception

**5:15 PM**

**WORKSHOP ADJOURNS**