

NEW ORLEANS | SEPT. 10-13, 2018  
**ANNUAL FORUM**



# PRELIMINARY AGENDA

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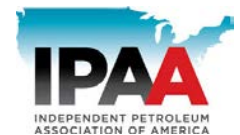


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# Monday, Sept. 10 – Workshop Day

9:00 – 5:30

**Registration**

10:00 – 12

## **Underground Injection Control (UIC) Operator & Regulatory Focused Training**

*Instructor: Ken Cooper*

A practical oriented UIC training course that focuses on conceptual understanding of how UIC well systems function with information on monitoring, maintenance, and regulation. This one-day course covers concepts related to UIC well operations, construction/testing and regulations and breaks them down to explain how they inter-relate and function together. The course is designed for operators and regulators of all experience levels with a focus on introductory and intermediate level knowledge. If you are looking to train new staff or brush up with some continuing education, this course is just for you.

### **Topics Covered:**

- Introduction to Underground Injection Control and Injection Wells
- How and Why Injection Wells Work
- Regulation of Injection Wells
- Well Components and Installation
- Operating with Understanding
- Compliance and Operational Issues
- Mechanical Integrity and Testing
- Reservoir Testing
- Well Repair, Workovers and Stimulation
- Inspections

Sponsored By:



*Ken Cooper is a managing principal of Petrotek Engineering Corporation in Littleton, Colorado, a consultancy and operating firm that specializes in injection wells. Ken has more than 30 years of experience working with all classes of injection wells and specializes in investigating well feasibility, reservoir issues and testing, reservoir simulation, well integrity, well compliance and permitting, along with optimizing injection well operation and maintenance.*

12:00 – 1:30

**Lunch on Your Own**

1:30 – 5:00

**UIC Operator & Regulatory Training (Continued)**

**GWPC Board Meeting (2 – 5pm)**

5:30 – 7:00



### **Hotel Networking Reception**

*Join us for light hor d'oeuvres, drinks and networking at the Sheraton New Orleans Hotel.  
Casual Attire*

## Tuesday, Sept. 11

7:30 – 5:00

**Registration**

7:30 – 8:30

**Breakfast**

7:45 – 8:30

### **National Groundwater Monitoring Network Discussion**

Come and find out about our Nation's collaborative groundwater network and the benefits of being a NGWMN data provider. If you are a current data provider, new data provider or just thinking about applying for a USGS grant to become a data provider, this is a must-attend discussion. Grab your breakfast and join us for an open discussion with your state, federal, and NGO colleagues!

8:30-10:00

### **Opening General Session: Welcoming Speakers**

**Moderator:** Mike Paque, GWPC

- **Mike Paque** - GWPC Executive Director
- **Marty Link** – GWPC Past President, Nebraska Department of Environmental Quality
- **Hal Fitch** - GWPC President, Michigan Department of Environmental Quality
- **Secretary Chuck Carr Brown, Ph.D.** – Louisiana Department of Environmental Quality
- **Assistant Secretary Gary Ross** – Louisiana Department of Natural Resources (Invited)

10 – 10:30

**Break**

10:30 - 12

### **Opening General Session Continued: Federal Government Update**

**Moderator:** Hal Fitch, Michigan DEQ

- **Representative** - U.S. Environmental Protection Agency
- **Representative** – U.S. Department of Energy
- **Bill Cunningham**, Director, United States Geological Survey, Water Mission, Earth System Processes Division

12:00 – 1:30

**Lunch on your own**

12:00 – 1:30

### **Special Event: Women's Professional Luncheon**

*Hosted at the Sheraton New Orleans hotel, this networking luncheon is open to all women attendees. Please RSVP at Registration.*

1:30 – 3:00

**Produced Water: Challenges & Opportunities**  
Moderator: Michael Dunkel, Jacobs

*“GWPC Produced Water Project: Update”*  
John Baza – Module 1  
Tom Kropatsch – Module 2  
Ken Harris – Module 3

*“Turning Produced Water From a Pain to an Asset: Optimizing Water Recycling”*  
Ashwin Dhanasekar, The Water Research Foundation

*“Leveraging Economic Models to Minimize Challenges and Create Opportunities for Effective Produced Water Management”*  
Holly Churman, GHD

**Groundwater Monitoring**  
Moderator: Marty Link, Nebraska DEQ

*“North Carolina’s Groundwater Quality Assessment Efforts”*  
Craig Caldwell, North Carolina DEQ

*“RBDMS Environmental Data Migration – Wyoming’s Groundwater Data Warehouse”*  
Nicole Twing, Wyoming DEQ

*“An Overview of the National Groundwater Monitoring Network Data Portal”*  
Candice Hopkins, United States Geological Survey

**Class I Roundtable**

*“Class I Wells – A New Generation”*  
Bob Van Voorhees, Underground Injection Technology Council

*“Technical Factors Involved with the Demonstration of No-Migration to Support Land Ban Exemption Petitions”*  
Aaron Payne, Petrotek

*Roundtable Discussion*

3:00 – 3:30

Break

3:30 – 5:00

**Produced Water: Challenges & Opportunities**  
Moderator: Michael Dunkel, Jacobs

*“The Water Challenge Program Pilot - Helping Industry Advance Water Management Strategies”*  
Andra Wilcox, HARC

*“Water for Hydraulic Fracturing - Use, Challenges and Solutions in Alberta”*  
Michael Bevan, Alberta Energy Regulator

*“Innovative Process to Recycle Shale Gas Produced Water Utilizing By-Product Recovery from the Permian Basin and Marcellus Shale”*  
Tom Lewis, Lewis Environmental Services

**Protecting Groundwater at the Source**

*“Louisiana’s Drinking Water Protection Program: Protecting Drinking Water at the Source”*  
Mary Gentry, Louisiana Department of Environmental Quality

*“The Private Well Class – A National Outreach and Education Program for Groundwater Protection”*  
Steve Wilson, Illinois State Water Survey

*“State-level Groundwater Governance and Management in the U.S. – A Summary of Survey Results of Groundwater Quality Strategies and Practices”*  
Speaker TBA

**Class V Roundtable**

*“Slurry Injection”*  
Omar Abou-Sayed, Advantek Waste Management Services, LLC

*Roundtable Discussion*

- “Clean Water Act Releases”*  
Mary Musick, GWPC
- “Data Management Demo”*  
William Blackwell, GWPC

6:00 – 8:00

### Reception: National World War II Museum

We are pleased to host our reception at the world-class National WWII Museum. Ranked by TripAdvisor as the #1 Attraction in New Orleans and designated by Congress as America's official museum about World War II, the National WWII Museum features a rich collection of artifacts that bring history to life.

*Join us for heavy hors d'oeuvres, drinks and entertainment in the Louisiana Memorial Pavilion.* The Louisiana Memorial Pavilion exhibits take visitors into the monumental efforts on the Home Front and to the beaches of Normandy—focusing on the thousands of men and women who made Allied victory in World War II possible. Business Casual Dress. Transportation Provided.



Sponsored By:



## Wednesday, September 12

7:30 – 5:00

Registration

7:30 – 8:30

Breakfast

8:30-10:00

**General Session: Updates from Partnering Organizations**

Moderator: Mike Paque, GWPC

*"Perspectives on Groundwater Policy Challenges in the 115th Congress"*

Lauren Schapker, National Ground Water Association

*"IPAA Update"*

Lee Fuller, Independent Petroleum Association of America

*"ASDWA Update"*

Alan Roberson, Association of State Drinking Water Administrators

*"ACWA Update"*

Julia Anastasio, Association of Clean Water Administrators

10 – 10:30

Break

10:30 – 12	<p><b>Produced Water: Opportunities &amp; Challenges</b>  Moderator: Nichole Saunders, EDF</p> <p><i>“Upstream Optimization of Full-Water Cycle Costs”</i>  Mark Kidder, ALL Consulting</p> <p><i>“Refinery Wastewater Reuse and Fresh Water Preservation in New Mexico to Support Oilfield Production”</i>  Robert Combs, HollyFrontier Navajo Refining LLC</p> <p><i>Advancing Research and Analysis of Produced Water”</i>  Cloelle Danforth, Environmental Defense Fund</p>	<p><b>Emerging Groundwater Contaminants</b></p> <p><i>“PFAS Update: Managing Contamination from PFAS in Australia”</i>  Lee Gedge, GHD</p> <p><i>“Shifting Treatment Costs from Ratepayers to Polluters-The California 1,2,3 Trichloropropane Story (TCP)”</i>  Bill Kelly, SL Environmental Law Group, PC</p>	<p><b>Aquifer Exemption Checklist</b></p> <p>Speakers TBA</p>
12:00-1:30	<b>Lunch on your own</b>		
1:30-3:00	<p><b>Class II/VI Roundtable</b>  Moderator: Mike Nickolaus, GWPC</p> <p><i>“Achieving Closure for CO2 Geologic Storage Projects”</i>  Bob Van Voorhees, Robert Van Voorhees PLLC</p> <p><i>Roundtable Discussion</i></p>	<p><b>Innovative Uses of Data for Groundwater Protection</b></p> <p><i>“Big Data for Managing Processing and Energy Management Schemes”</i>  Ashwin Dhanasekar, The Water Research Foundation</p> <p><i>“Protecting Groundwater through Field Inspection Prioritization”</i>  Paul Jehn, GWPC</p>	
3:00 – 3:30	<b>Break</b>		
3:30 – 5:00	<p><b>Induced Seismicity</b></p> <p><i>“Beyond Common Induced Seismic Monitoring Practice; Real-Time Risk Mitigation” Application</i>  Sepideh Karimi, Nanometrics</p>	<b>Workgroup Meetings</b>	

*"Legal Developments Relating to Induced Seismicity"*

Keith Hall, Mineral Law Institute

5:00 – 6:00

Conference "Wine Down" Reception

## Thursday, September 13

8:30-5

Workgroup Meetings

*GWPC is dedicated to providing a harassment-free conference experience for everyone.  
Harassment of conference participants in any form will not be tolerated and may result in immediate expulsion.*