



UIC CONFERENCE

February 11-14, 2018
Tulsa, Oklahoma

www.gwpc.org/events

Underground Injection Control Conference

Preliminary Planning Agenda

Tulsa, Oklahoma | February 11 – 14, 2018

Major Partner



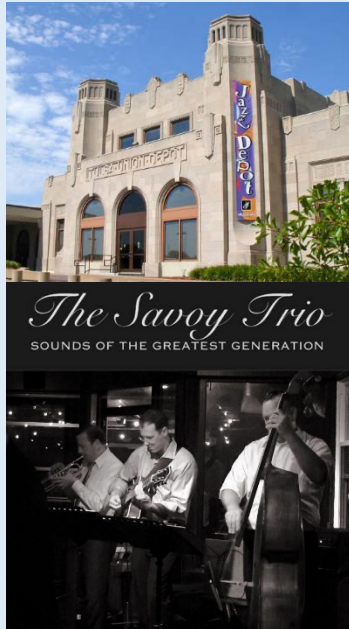
Sunday, February 11, 2018

3:00 – 5:30

Registration

6:00 – 8:00

Welcome Reception – Oklahoma Jazz Hall of Fame - Featuring Live Music from the Savoy Trio



Welcome to Tulsa! Join us at the Oklahoma Jazz Hall of Fame, located in the historic Union Depot Building in downtown Tulsa, for live music, dinner, drinks and networking.

Consider the Oklahoma Jazz Hall of Fame, affectionately known as the Jazz Depot, your ambassador to the world of live entertainment and America's classical music - Jazz. The motto at the Jazz Hall of Fame is "Creating Unity Through Music." The efforts at the Jazz Hall are to educate Oklahomans, tourists and visitors about Oklahoma's amazing and diverse music heritage, and the impact the music and our outstanding Oklahoma artists have made to the fabric of music in this country and on the musical landscape throughout the world.

The Savoy Trio focuses on the sounds by which the Greatest Generation grew up in the early part of the 20th century. Based in Oklahoma City, the band features Jerry Scott on horns, Jason Combs on guitar, and Chris Black on bass.

-Dress is Business Casual

-Walking distance from the Hyatt Regency

Monday, February 12, 2018

7:30 -5:00

Registration

7:30 – 8:30

Breakfast

8:30-10:00

Opening General Session

“Welcome to Tulsa”

Mayor G.T. Bynum, City of Tulsa

“UIC: State of the States”

Secretary Mike Teague, Oklahoma, Office of the Secretary of Energy & Environment

“Keynote Address”

Administrator Scott Pruitt, U.S. Environmental Protection Agency (INVITED)

10:00 – 10:30

Morning Break

10:30-12:00

Produced Water

“Practical Guidelines for Application of Natural Resource Valuation Concepts for Remediation of Produced Water Impacts on Groundwater”

John A. Conner, GSI Environmental, Inc.

“The Water Challenge Program Pilot – Helping Companies Advance Water Management Strategies”

Andra Wilcox, HARC - Environmentally Friendly Drilling (EFD) Program

“Permian & Anadarko Basin Produced Water Recycling: Keys to Success”

Dan Arthur, ALL Consulting

Aquifer Storage & Recovery

“An Aquifer Storage & Recovery System to Preserve and Rehabilitate Native Groundwater in Hastings, Nebraska”

Amanda Jones, Nebraska Department of Environmental Quality

“Aquifer Storage & Recovery in Oklahoma”

Saba Tahmassebi, Oklahoma Department of Environmental Quality

“Current Aquifer Storage & Recovery Projects in Kansas”

Brian Meier, Burns & McDonnell

12:00-1:30

Lunch on your own

1:30 - 3:00

Produced Water	Class V UIC Forum & Discussion
<p><i>"Stepwise Progress to Alternate Uses of Produced Water in New Mexico"</i> Jeri Sullivan Graham, University of New Mexico</p> <p><i>"Industry Use of Produced Water"</i> Speaker TBA</p> <p><i>"GWPC Produced Water Report Update"</i> GWPC Representative</p>	<p><i>"And Now for Something Completely Different: Unusual Class V Wells in Texas"</i> Lorrie Council, Texas Commission on Environmental Quality</p> <p><i>Class V Data Development Discussion</i></p> <p><i>Aquifer Storage & Recovery Discussion</i></p> <p><i>EPA Update</i></p>

3:00 – 3:30

Break

3:30 – 5:00

Class II & VI UIC Forum & Discussion	Class III UIC Forum & Discussion
<p><i>"Carbon Capture and Storage Wells: A National Perspective"</i> Speaker TBA</p> <p><i>"Class II SWD Disposal Well Issues: Myth versus Reality...and Impacts we can Anticipate (and Avoid)"</i> Laura Capper, CAP Resources</p> <p><i>"Texas Aquifer Exemption Regulations"</i> Leslie Savage, Texas Railroad Commission</p> <p><i>"FracFocus Update"</i> William Blackwell, GWPC</p>	<p><i>"Underground Storage of Natural Gas Liquids in Ohio's Underground Salts"</i> Tom Tomastik, All Consulting</p> <p><i>"Roundtable Discussion"</i></p>

5:30 – 6:30

Hotel Networking Hour– Light appetizers and cocktails served at the Hyatt Regency hotel.

Tuesday, February 13, 2018

7:30 – 5:00

Registration

7:30 – 8:30

Breakfast

8:30-10:30

General Session: Emergency Response to Weather Related & Other Events

Moderator: Marty Link, Nebraska Department of Environmental Quality

The goal of this session is to:

- Provide information to state regulators to help them plan for emergency response at UIC facilities, both pre- and post-disaster events.
- Provide a forum for state/federal government, and industry to discuss regulations, guidance, and best management practices to be included in UIC permits/authorizations that would harden these facilities against releases to the surface and shallow environment of injection fluids.
- Address notification to permittees of developing situations that may require temporary shut-in of wells and hardening of other parts of the facility, and
- Provide through case studies and recent experiences, what pre- and post- disaster actions should be taken to insure UIC wells are mechanically able to restart operations and any spills and other potential contamination release are assessed and addressed.

10:30 – 11:00

Break

11:00 -12:00

Seismic Activity & Responses

Class I UIC Forum & Discussion

“Evaluating the Efficacy of Wastewater Disposal Reductions in Oklahoma”

Jake Walter, Oklahoma Geological Survey

“2017 Review of UIC Risk Factors in Leading Onshore Oil and Gas Basins”

Laura Capper, CAP Resources

“How Several Common Factors Influence Injection Well Performance, Testing and Permitting: Density, Temperature, and Friction”

Ken Cooper, Petrotek Engineering Corporation

“Innovative Annulus Pressure Monitoring and Control Design for High Pressure Class I Wells with Depths in Excess of 10,000 Feet”

Monte Markley, SCS Engineers

12:00-1:30

Lunch on your own

1:30 – 3:00

Seismic Activity & Responses	Class I UIC Forum & Discussion (Continued)
<p><i>"Patterns of Induced Seismicity in Central and Northwest Oklahoma"</i> Jeremy Boak, Oklahoma Geological Survey</p> <p><i>"Induced Seismicity Management for Operators"</i> Mikel Diez, Geostock</p> <p><i>"Data Mining the Known Unknowns of Oklahoma's Class II UIC Data to Improve Injection Induced Seismicity Studies"</i> Kyle Murray, Oklahoma Geological Survey</p>	<p><i>"The Calculation of Injection Effects to Establish the Area of Review (AOR) for Class I Injection Wells"</i> Aaron Payne, Petrotek Engineering Corporation</p> <p><i>"Industry Perspective on Regulatory Reform"</i> Speaker TBA</p> <p><i>"Roundtable Discussion"</i></p>

3:00 – 3:30

Break

3:30 – 5:00

General Session: Slurry Injection
<p><i>"Injecting Oilfield Solids via Class II Disposal Wells"</i> Dan Arthur, ALL Consulting</p> <p><i>"Bio-solids Disposal Via Deep Well Injection"</i> Advantek, Speaker TBA</p> <p><i>"Permitting and Approval of Slurry Injection"</i> Speaker TBA</p>

Wednesday, February 14, 2018

7:30 -8:30

Registration

7:30 – 8:30

Continental Breakfast

8:30-10:00

Well Integrity Workshop

Reviewing and Critiquing Environmental Documents Workshop

Instructor: Dan Arthur, ALL Consulting

Instructor: John Veil, Veil Environmental, LLC

This course will focus on understanding the key aspects of well integrity as they relate to different types of wells, including oil and gas development, injection wells, gas storage wells, and municipal waste disposal wells. This workshop will review the various well integrity testing methods and their applicability to a variety of well types as well as procedural requirements, supplemental information needed for analysis, and their limitations.

People who work in the environmental field are often asked to review reports, regulatory proposals, and other documents. In some situations, the documents being reviewed have little potential impact on the person or organization doing the review. But in other situations, the documents may pose a threat or have a significant impact on the reviewer. It is very important to conduct an orderly and careful review to ensure that the author of the document did a reasonable job.

In this 90-minute workshop, instructor John Veil draws on more than 27 years of experience reviewing EPA and state proposed regulations and reviewing dozens of reports and other documents to share some guidelines on a sound approach to conducting reviews. The workshop discusses the four main elements for conducting a careful review. Those elements include: a) choosing appropriate data sources, b) making proper assumptions, c) conducting suitable analyses, and d) presenting results and conclusions that are justifiable and fair based on the material contained within the document. The workshop provides examples of how these play an important role in doing good research and setting good environmental policy.

One of the more talked-about EPA documents in recent years (the December 2016 Hydraulic Fracturing Impacts on Drinking Water report) is used as the primary example to show weaknesses in data, assumptions, analyses, and interpretation/communication of results. Other examples come from serving as an expert witness, following good practices when writing your own documents (Veil’s 2015 report on produced water volumes and management practices is the example used here), misleading media reporting, and doing peer review of scientific manuscripts.

10:00 – 10:30

Break

10:30-12:00

Well Integrity Workshop (Continued)

12:00

Adjourn