

To: Wagner, Kenneth[wagner.kenneth@epa.gov]
Cc: Jackson, Ryan[jackson.ryan@epa.gov]
From: Mike Paque
Sent: Fri 12/1/2017 12:06:56 AM
Subject: GWPC UIC Meeting Tentative Agenda
[UIC18 Agenda Updated 11-30-17.pdf](#)

Ken, this has not gone out yet and we are flexible in making necessary changes in future iterations. It currently has Administrator Pruitt's name on it as (Invited) – which can be changed if wished.

We do need to post something online next week to advertise the meeting, but will not send a copy to our email list until the end of next week. After that, we can make changes online.

Mike Paque

UIC CONFERENCE

February 11-14, 2018
Tulsa, Oklahoma

www.gwpc.org/events

Underground Injection Control

Preliminary Planning Agenda

Tulsa, Oklahoma | February 11 – 14, 2018



Conference Partner

*U.S. EPA, Office of Ground Water and
Drinking Water*

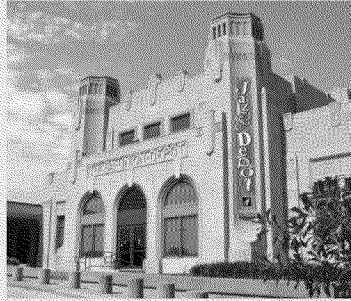
Sunday, February 11, 2018

3:00 – 5:30

Registration

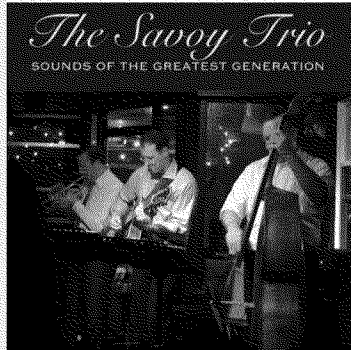
6:00 – 8:00

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	<p>Opening General Session</p> <p>Moderator: Mike Paque, GWPC Executive Director</p> <p>“Welcome to Tulsa” Mayor G.T. Bynum, City of Tulsa</p> <p>“UIC: State of the States” Secretary Mike Teague, Oklahoma, Office of the Secretary of Energy & Environment</p> <p>“Keynote Address” Administrator Scott Pruitt, U.S. Environmental Protection Agency(INVITED)</p>	
10:00 – 10:30	Morning Break	
10:30-12:00	<p>Produced Water</p> <p>“Practical Guidelines for Application of Natural Resource Valuation Concepts for Remediation of Produced Water Impacts on Groundwater” John A. Conner, GSI Environmental, Inc.</p> <p>“The Water Challenge Program Pilot– Helping Companies Advance Water Management Strategies” Andra Wilcox, HARC - Environmentally Friendly Drilling (EFD) Program</p> <p>“Permian & Anadarko Basin Produced Water Recycling: Keys to Success” Dan Arthur, ALL Consulting</p>	<p>Aquifer Storage & Recovery</p> <p>“An Aquifer Storage & Recovery System to Preserve and Rehabilitate Native Groundwater in Hastings, Nebraska” Amanda Jones, Nebraska Department of Environmental Quality</p> <p>“Aquifer Storage & Recovery in Oklahoma” Saba Tahmassebi, Oklahoma Department of Environmental Quality</p> <p>“Current Aquifer Storage & Recovery Projects in Kansas” Speaker TBA</p>

12:00-1:30	Lunch on your own	
1:30 - 3:00	Produced Water	Class V UIC Forum & Discussion
	<p><i>“UNM Partnership with Oil Conservation Division on Produced Water”</i> Jeri Sullivan Graham, University of New Mexico (INVITED)</p> <p><i>“Produced Water Characterization and Treatment”</i> Speaker TBA</p> <p><i>“GWPC Produced Water Report Update”</i> GWPC Representative</p>	<p><i>“Unusual High Tech / High Volume Class V Wells in Texas”</i> Lorrie Council, Texas Commission on Environmental Quality (INVITED)</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, CAPResources</p> <p><i>“FracFocus Update”</i> William Blackwell, GWPC</p> <p><i>“Roundtable Discussion”</i></p>	<p><i>“Underground Storage of Natural Gas Liquids in Ohio’s Underground Salts”</i> Tom Tomastik, All Consulting</p> <p><i>“Update on EPA 192 Rule”</i> Speaker TBA</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	<p>General Session: Emergency Response to Weather Related & Other Events</p> <p>Moderator: Marty Link, Nebraska Department of Environmental Quality</p> <p>“Overview of Testimony on Environmental Response & Concerns from 2017 Hurricane Season” Texas Commission on Environmental Quality</p> <p>“EPA Remarks” U.S. Environmental Protection Agency, Region 6</p> <p>“Industry Perspective” Industry Representative TBA</p> <p>“Regulatory Response to Front Range Floods 2013– Lessons Learned” Colorado Oil & Gas Conservation Commission</p> <p>“Combined Sewer Overflow / Stormwater Events” Oklahoma Department of Environmental Quality</p>	
10:30 – 11:00	Break	
11:00 -12:00	<p>Seismic Activity & Responses</p> <p>“Evaluating the Efficacy of Wastewater Disposal Reductions in Oklahoma” Jake Walter, Oklahoma Geological Survey</p> <p>“2017 Review of UIC Risk Factors in Leading Onshore Oil and Gas Basins” Laura Capper, CAP Resources</p>	<p>Class I UIC Forum & Discussion</p> <p>“How Several Common Factors Influence Injection Well Performance, Testing and Permitting: Density, Temperature, and Friction” Ken Cooper, Petrotek Engineering Corporation</p> <p>“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</p>
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	<p>General Session: Slurry Injection</p> <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> EPA Region 9, 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

Instructor: Dan Arthur, ALL Consulting

10:00 –

Break

10:30

10:30-

Well Integrity Workshop (Continued)

12:00

12:00

Adjourn

Reviewing and Critiquing Environmental Documents Workshop

Instructor: John Veil, Veil Environmental, LLC

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 stateproposed 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.

