



## Tampa Preliminary Agenda

Tuesday, September 12th

9:00 AM – 5:30 PM	<b>Registration</b>
9:30 AM – 3:30 PM	<p><b>ASR / MAR Field Trip</b></p> <p><b>Cost: \$35</b></p> <p><b>(Pre-Registration &amp; Pre-Payment Required – <u>Be Sure to Include under 'Add On' at Registration to Sign Up</u>)</b></p> <p>GWPC will hold a UIC-focused field trip associated with the 2023 Annual Forum, visiting two facilities in the greater Tampa Bay area. Both facilities have Aquifer Storage and Recovery (ASR) projects that have been operating successfully for several years, including resolution of arsenic mobilization issues in the aquifer. One of the facilities also has Class I treated wastewater disposal wells and a Class V recharge well. Field trip attendees will gain knowledge of how Florida has been addressing water and wastewater management using injection wells. Arrangements are currently being made with the facility operators and more details will be provided in the coming weeks.</p>
2 PM – 4 PM	<p><b>Well Site Plugging &amp; Abandonment Workshop</b> Dan Arthur, ALL Consulting</p> <p>Activities associated with and included the plugging &amp; abandonment of Orphan, Idle, non-producing/non-economic, and leaking plugged oil &amp; gas wells has become a major priority not only throughout the United States, but also throughout the World. Here in the United States, the Bipartisan Infrastructure Law (BIL), also known as the Infrastructure Investment and Jobs Act, has provided substantial funding to address legacy pollution challenges nationwide on Federal, Tribal, State and also private lands. Funding from the BIL is being used to remediate groundwater and surface water contamination, restoration of habitat, and permanent well abandonment. The emphasis and attention being placed on these legacy issues has resulted in significantly increased activities pertaining to these wells and well sites, not only through funding from IJA, but state plugging funds, oil &amp; gas companies, industry organizations, and also non-profits. Considering more than a million wells may require plugging and associated remediation, a broad variety of issues have become important. These issues (without getting into details) range from finding and characterizing undocumented wells, assessing risks, managing safe access strategies, developing abandonment and reclamation plans, choosing materials for well plugging, quantifying and characterizing emissions, land/environmental restoration, and reporting. The GWPC Workshop will cover these and other relevant issues and present an overview of the reference/guidance document scheduled for publication in September 2023.</p>
3 - 5	<p><b>GWPC Board Meeting</b> GWPC Board Members Only</p>
5:30 - 7	<b>Hotel Networking Reception: Westshore Grand Hotel</b>

## Wednesday, September 13, 2023

7:30 – 5:00	<b>Registration</b>	
7:30 – 8:30	<b>Breakfast</b>	
8:30 - 10:00	<p><b>Opening General Session</b></p> <p><i>Welcome</i> Nick Tew, GWPC President</p> <p><i>GWREF</i> Stan Belieu, GWREF President</p> <p><i>Water Lessons Learned from Israel</i> Shellie Chard, Oklahoma DEQ, GWPC Treasurer, Board Trustee Water Environment Federation</p> <p><i>Environmental Justice – Speaker Invited / TBA</i></p>	
10 – 10:30	<b>Break</b>	
10:30 - 12	<p><b>Produced Water</b></p> <p><i>U.S. Produced Water Volumes and Management Practices in 2021</i> Jon Seekins, ALL Consulting</p> <p><i>GWPC Produced Water Report – 2023 Update</i> Mark Kidder, ALL Consulting</p> <p><i>A Produced Water Sharing Framework to Promote Water Reuse in Oil and Gas Operations</i> Markus Drouven, DOE – NETL</p> <p><i>Characterization of Oil-Field Brines and Estimation of Gross Values for Elements of Interest in Produced Waters</i> Kyle Murray, Murray GeoConsulting, LLC</p>	<p><b>ASR – MAR</b></p> <p><i>Reuse for Recharge: Opportunities for Water Reuse in EAR and ASR</i> Justin Mattingly, U.S. EPA</p> <p><i>Texas Water Development Board ASR and AR Program Overview and Update</i> Andrea Croskrey, Texas Water Development Board</p> <p><i>MAR Well Design for a Challenging Environment</i> Mark Williams, Earth Data, Inc.</p> <p><i>Preliminary Data from the U.S. EPA MAR site in the Arbuckle-Simpson Aquifer in Oklahoma</i> Douglas Beak, U.S. EPA</p>

12:00 – 1:30	<b>Lunch On Own</b>	
1:30 – 3:00	<p><b>Induced Seismicity</b></p> <p><i>Assessing Injection Impacts and Future Hazard in the Permian Basin Region</i> Katie Smye, Bureau of Economic Geology, University of Texas at Austin</p> <p><i>Regulation of Disposal Wells In Seismically Active Areas of Texas</i> Rob Castillo, Railroad Commission of Texas</p> <p><i>Modern Oil and Gas Development: A Primer (2023 Update)</i> Nathan Alleman, ALL Consulting</p>	<p><b>ASR-MAR</b></p> <p><i>Aspects of Adapting an Existing Deep Sandstone Well for Re-Use as an ASR Well</i> Michael Anderson, Iowa Dept. of Natural Resources</p> <p><i>Aquifer Storage and Recovery - Case Studies of Long-Term Operational Success</i> Pete Larkin, ASRus, LLC</p> <p><i>Envisioning the Potential of Aquifer Recharge in Florida</i> Mark McNeal, ASRus, LLC</p> <p><i>Update on the Lake Okeechobee Watershed ASR Program</i> Bob Verrastro, South Florida Management District (Retired)</p>
3:00 – 3:30	<b>Break</b>	
3:30 – 5:00	<p><b>New Energy Challenges &amp; Opportunities</b></p> <p><i>Hydrogen – Speaker TBA</i></p> <p><i>Water, Energy, Food Nexus – What’s in the Works?</i> Ashwin Dhanasekar, The Water Research Foundation</p> <p><i>Geothermal – Speaker TBA</i></p>	<b>ASR-MAR Work Group Meeting</b>
6:00 – 8:30	<b>Reception: Location TBA</b>	

Thursday, September 14, 2023

7:30 – 5:00	<b>Registration</b>	
7:30 – 8:30	<b>Breakfast</b>	
8:30-10:00	<p><b>Environmental Data Management</b></p> <p><i>Combining Multi-Agency Data and Analytical Tools for Assessing Municipal-Scale Water Resiliency</i> Michael Young, Bureau of Economic Geology, UT at Austin</p> <p><i>Alabama WaterSTAR: A New Groundwater Assessment Tool</i> Gregory Guthrie, Geological Survey of Alabama</p> <p><i>A New Tool for Quantifying Impacts to Hydro-Economic Well Performance</i> Justin Thompson, Bureau of Economic Geology, Jackson School of Geosciences, University of Texas at Austin</p> <p><i>The USGS National Groundwater Monitoring Network and the USGS Climate Response Network</i> Jason Fine, The USGS National Groundwater Monitoring Network and the USGS Climate Response Network</p>	<p><b>The State of UIC – Challenges, Opportunities &amp; Success</b></p> <p><i>Arizona Primacy of the Underground Injection Control Program</i> Daniel Reeder, Arizona Department of Environmental Quality</p> <p><i>Ohio's Class II Disposal Well Rule Revision</i> Kenny Brown, Ohio Department of Natural Resources, Division of Oil and Gas Resources Management</p> <p><i>Overview and Impact of Florida Senate Bill 64 on the State's Water Disposal Options</i> Joseph Haberfeld, P.G., ASRus, LLC</p>
10 – 10:30	<b>Break</b>	
10:30 – 12:00	<p><b>Class VI UIC</b></p> <p><i>Class VI Primacy in Louisiana: Expectations and Realities</i> Laura Sorey, Louisiana DNR</p> <p><i>Carbon Sequestration and the Texas Class VI UIC Program</i> Bryce McKee, Oil &amp; Gas Division, Texas Railroad Commission</p> <p><i>A Computational Modeling Approach to Critical Pressure Calculations for Class VI Area of Review Delineation</i> Charles Hostetler, SCS Engineers</p>	<p><b>Water Quality</b></p> <p><i>Per- and Polyfluoroalkyl Substances (PFAS) in Wastewater Generated from Commercial Cleaning Activities and Impacts to Groundwater Quality</i> Jennifer Harmann, New Hampshire Department of Environmental Services</p> <p><i>Chloride in Ohio's Groundwater</i> Katharine Schleich, Ohio EPA</p>

	<p><i>An Overview of the GWPC Class VI Injection Control Curriculum for Regulators</i> Todd Boesiger, GWPC Class VI Workgroup Member</p>	Additional speakers TBA
12:00-1:30	Lunch on your own	
1:30 – 3:00	<p><b>CCUS</b></p> <p><i>Developing Carbon Storage Infrastructure through Carbon Storage Assurance Facility Enterprise (Carbon-SAFE)</i> Traci Rodosta, US DOE, Office of Fossil Energy &amp; Carbon Mgmt.</p> <p><i>Nationwide Assessment of Saline Reservoir CO2 Storage Properties and Sequestration Costs for the United States using the SCO2TPRO Sequestration Screening Tool</i> Kyle Cox, Carbon Solutions, LLC</p> <p><i>Keys to Assuring Storage Permanence in Class VI Projects</i> Susan Hovorka, Bureau of Economic Geology, UT</p> <p><i>Designing CCS Infrastructure to Meet National Goals</i> Richard Middleton, Carbon Solutions, LLC</p>	<p><b>Drinking Source Water Protection</b></p> <p><i>NRCS Conservation Programs and Source Water Protection: Opportunities and Tips for Success</i> Juan Hernandez, NRCS Florida</p> <p><i>Forest Partnerships for Source Water Protection (Tentative)</i> Kathy Hawes, Southeastern Partnership for Forests and Water</p> <p><i>Leveraging Partnerships and Funding Opportunities for Source Water Protection and UIC</i> Beth Garcia, EPA Region 3 – Philadelphia Office</p> <p><i>Opening the Door to Clean Water Act Section 319 and NRCS Funding: The Drinking Water Protection Management Plan Template</i> Speaker TBA</p>
3:00 – 3:30	Break	
3:30 – 5:00	Work Group Meeting TBA	<p><b>Drinking Source Water Protection</b></p> <p><i>Minnesota’s Source Water Protection Collaborative</i> Britta Dornfeld, Environmental Initiative</p> <p><i>Utilizing Source Water Protection Implementation Survey Data to Target Outreach and Develop Resources for Public Water Systems in the State of Ohio</i> Mackenzie Rutherford, Ohio EPA</p> <p><i>Skywater: Restoration of Georgia’s Radium Springs</i> Mark Masters, Georgia Water Planning &amp; Policy Center at Albany State University</p>
5:00 – 6:00	Conference “Wine Down” Reception	