

ANNUAL FORUM



PRELIMINARY AGENDA

Wednesday, Sept. 27

1:00 – 5:30	Registration		
2:00	Source Water Practitioner Workshop		
3:00 – 5:30	<p><i>“Source Water Protection: Opportunities for Partnerships & Collaboration”</i></p> <p>As resources are becoming more scarce and threats to the nation’s drinking water supplies are on the rise, partnerships and the ability to leverage shared resources for mutual goals are becoming more crucial. This workshop will showcase effective collaboration and partnership efforts at the national, state, and local levels. Benefit from experiences and lessons learned, and how a variety of creative approaches can be used to form and sustain partnerships to protect drinking water sources. Come join the discussion, share your perspectives, and go home with new ideas and contacts, and your top three opportunities for strategic actions to protect your drinking water sources.</p>	<p>Green Infrastructure Training</p> <p>Instructors: Ellie Baker, Jen Relstab, P.E. and Richard Claytor, P.E., Horsley Witten</p> <p>Green infrastructure is an attractive, cost effective tool to manage stormwater and protect the quality and quantity of drinking water supplies, while also enhancing the aesthetics, natural habitat and public health of an area. Learn about green infrastructure practices that are beneficial for groundwater recharge, water quality treatment, and flood management. Gain an understanding of key siting strategies and design elements that make these practices particularly adapted to source water protection. We will also introduce you to the regulatory framework and challenges that promote, allow and challenge the implementation of green infrastructure practices. Real world case study examples, many from New England, will be incorporated throughout the session. If you are challenged by drought, water quality concerns, increasing watershed development, and limited supplies within your community or region, join us to learn how green infrastructure can be integrated into the developed landscape to help tackle those challenges.</p>	<p>StatesFirst Oil & Gas Public Communications Workshop</p> <p>Today the amount of data collected is unprecedented, and it can be difficult to determine what should be done with the information, what aspects are important and how it should be distributed. Data collection and digital record keeping have created a greater opportunity for open communication between the regulatory community and the general public, media and other interested stakeholders.</p> <p>This workshop will foster a discussion surrounding what information is most relevant and pertinent to the public in order to establish credibility through continued conversations. The workshop will feature speakers from both communications and data management sides to discuss best practices and to help provide direction for others in transmitting data to the masses. We will then open up for a roundtable discussion on the challenges and opportunities with data management and communications.</p>
6:00 – 7:30	Young Professionals Networking Event		

Thursday, Sept. 28

8:00 – 5:00

Registration

7:30 – 8:30

Breakfast

8:30 – 12:00

General Session *(BREAK FROM 10-10:30)*

Welcome

- GWPC Welcome: Marty Link, GWPC President / Mike Paque, GWPC Executive Director
- Ground Water Research & Education Foundation (GWREF) Update
- Massachusetts Welcome: Bethany Card, Deputy Commissioner, Policy & Planning, Massachusetts DEP

Updates from Federal Agencies

- US Department of Energy
- US Environmental Protection Agency

Lunch On Your Own

1:30 – 3:00

Storm Water Management & Groundwater Protection

Gas Storage

Class I/III Roundtable

"Infiltration and Hydrologic Characteristics of Stormwater Management Systems & Implications for Improving Designs"
Thomas Ballestero, UNH Stormwater Center

"Protecting Groundwater from Flood Borne Contamination"
Ben Binder, Digital Design Group

"Regulatory / Technical Aspects of S/USDW Protection Arising from Recently Constructed Stormwater BMPs in Region 1"
Ray Cody, US EPA Region 1

"Gas Storage Guide"
Hal Fitch, Michigan, and Rick Simmers, Ohio, Gas Storage Workgroup Co-Chairs

"Mechanical Integrity Test Methods"
Dan Arthur, ALL Consulting"

"PHMSA Underground Storage Safety Program"
Catherine Washabaugh, PHMSA – Central Region

Roundtable Discussion

3:00 – 3:30

Break

3:30 – 5:00

Private Well Vulnerability and Assessment	Produced Water	Groundwater Protection & Brownfields
<p><i>“Private Domestic Well Use in the United States and Potential Impacts from Leaking Underground Storage Tanks”</i> James Weaver, US EPA</p> <p><i>“Private Well Groundwater Quality Protection Assistance in North Carolina”</i> Craig Caldwell, NCDEQ Division of Water Resources</p> <p><i>“PFAS in Drinking Water and Groundwater in New Hampshire Sites”</i> Brandon Kernen, New Hampshire Department of Environmental Services</p>	<p><i>“Beneficial Uses of Produced Water”</i> Mike Teague, Oklahoma Secretary of Energy & Environment</p> <p><i>“Produced Water Toxicity and Risk: Narrowing Research Gaps to Inform Decision Making”</i> Nichole Saunders, Environmental Defense Fund</p> <p><i>“DOE NETL Water Research in Oil & Gas Space”</i> David Cercone, DOE NETL</p> <p><i>“Using Produced Water in Hydraulic Fracturing Operations”</i> Rick McCurdy, Chesapeake Energy</p> <p><i>“Produced Water Forum: A Recap”</i> Linda Capuano, Baker Institute</p>	<p><i>“Brownfields to Greenfields: Restoring Natural Functions”</i> Doug Dreiling, SCS Engineers</p> <p><i>“Revitalizing Communities and Protecting Human Health and the Environment: Brownfields Funding Opportunities”</i> Amy Dzialowski, SCS Engineers’</p> <p><i>“Brownfields and Groundwater Remediation in Massachusetts”</i> Massachusetts DEP, Speaker TBA</p>
<p>6:00 -- Reception – Republic</p>		

Friday, Sept. 29

8:30 – 5:00	Registration		
7:30 – 8:30	Breakfast		
8:30 – 10:00	Source Water Protection in the Northeast	Oil & Gas – Showcasing State Agility & Results	Class V UIC Roundtable
	<p><i>“Cyanobacteria Bloom Response – Collaboration in a Small Northeastern State with Clean Water”</i> Paul Susca, New Hampshire Dept. of Environmental Services</p> <p><i>“Brewster, Massachusetts Demonstrates the Multiple Benefits of Source Water Protection”</i> Mark Nelson, Horsley Witten Group, Inc.</p> <p><i>“Emergency Preparedness in Source Water Protection Areas in Maine”</i> Susan Breau, Maine Rural Water Association</p> <p><i>“Development of Connecticut’s First State Water Plan”</i> Lori Mathieu, Connecticut Dept. of Health, Drinking Water Section</p>	<p><i>“Performance Metrics for Spills and Spill Response”</i> Kate Konschnik, Harvard Law School</p> <p><i>“States Filling the Gaps: How Are Updated State Hydraulic Fracturing Regulations Filling Data Gaps?”</i> Jonathan Koplos, Consultant</p> <p><i>“Exploring the Efficacy of UAS-mounted Instruments in Detecting Legacy Orphan Oil and Gas Wells in the Old Oilfields of New York State”</i> Catherine Dickert, New York Department of Environment and Conservation</p> <p><i>“Update on States First Initiative”</i> Gerry Baker, IOGCC</p> <p><i>“Induced Seismicity Report Update”</i> Speaker TBA</p>	<p><i>Panel Discussion: “Piggy-Backing on Other Programs for Field Presence for Class V”</i></p> <p>Invited Panelists:</p> <ul style="list-style-type: none"> • Brandy DeArmond, Kansas Department of Health and Environment • Mitch Locker, New Hampshire Department of Environmental Services • Lorrie Council, Texas Commission on Environmental Quality <p><i>“Class V Program Data and Paperwork Management”</i> William Blackwell, GWPC Staff</p> <p><i>“EPA HQ Update/Priorities”</i> Brian Damico, US EPA (Invited)</p>
10:00 – 10:30	Break		
10:30 – 12:00	Source Water Protection & Collaboration	Oil & Gas – GWPC Projects and State Cooperative Efforts	Class V UIC: State Issues & Priorities
	<p><i>“Source Water Protection and Land Use Planning: Partnering for Successful Implementation”</i> Liz Royer, Vermont Rural Water Association</p>	<p><i>“The Class II Peer Review Process: State Program Findings”</i> Mike Nickolaus, GWPC</p>	<p><i>“Ensuring SDWA Groundwater Protection Goals are Met under the CWA Stormwater Program”</i></p>

	<p><i>"The New England Watershed Managers (NEWMAN) Collaborative"</i> Kira Jacobs, EPA Region 1</p> <p><i>"New Hampshire's Collaborative Response to the Elk River Chemical Spill"</i> Pierce Rigrod, NHDES and James Carew, US EPA</p> <p><i>"Nevada Source Water Protection"</i> Kimberly Borgzinner, Nevada Division of Environmental Protection, Bureau of Safe Drinking Water</p>	<p><i>"Automated Process for Mapping Directional and Horizontal Wellbores"</i> Don Drazan, Drazan Energy, LLC</p> <p><i>"A Fresh Look – GWPC Gives a Fresh Face and Functionality to FracFocus/RBDMS Web Sites"</i> Speaker TBD, GWPC</p> <p><i>"RBDMS: State Data Access Web sites"</i> Speaker TBD, GWPC</p>	Group Discussion
12:00-1:30	Lunch On Your Own		
1:30 – 3:00	Groundwater Infiltration	Assessing Brackish Water Resources	Class II/VI Roundtable & Technical Session
	<p><i>"Pathways of a Conservative Contaminant: Infiltration, Fracture Conduits, and Re-Emergence of Chloride in Wells and Streams"</i> Mark Holden, Maine Department of Environmental Protection</p> <p><i>"The Effects of Sea-Level Rise on Groundwater Levels in Coastal New Hampshire"</i> Jayne Knott, University of New Hampshire</p> <p><i>"Groundwater and Public Health: A New Shallow Well Technology to Provide Safe Drinking Water for Private Wells"</i> Marcel Belaval, EPA Region 1</p>	<p><i>"Brackish Groundwater as a Resource for the Nation"</i> Jennifer Stanton, USGS</p> <p><i>"Sustaining Water Availability in Rural Communities- Expanding Brackish Water Use"</i> Danny Reible, Texas Tech University</p>	<ul style="list-style-type: none"> • Areas of Review • Updates of UIC Primacy • Updates on Class VI Program • Executive Orders affecting UIC • Upcoming Peer Reviews • Updates from Class II Programs
3:00 – 3:30	Break		
3:30 – 5:00	GWPC Board Meeting		

Saturday, Sept. 30

9 – 11:00

GWPC Board Meeting