




9th Annual CCR Workshop

April 17-19, 2023


New Orleans Marriott

EDUCATION ✦ DIALOGUE ✦ COLLABORATION

Monday, April 17, 2023

12:30– 5:30 PM	Registration Open
1:30 – 3:00 PM	USWAG Member and Affiliate Dialogue <i>The CCR Rule: The Path Forward – Session 1</i> <i>You must be A USWAG Member or USWAG Affiliate to attend this Session. Separate Registration Required.</i>
3:00 – 3:15 PM	Break Sponsored By: 
3:15 – 5:00 PM	USWAG Member and Affiliate Dialogue <i>The CCR Rule: The Path Forward – Session 2</i> <i>You must be A USWAG Member or USWAG Affiliate to attend this Session. Separate Registration Required.</i> Note: A separate detailed agenda is available online for Members and Affiliates. You will need your username and password to access this document. 2



Monday, April 17, 2023

5:30– 7:30 PM	Welcome Reception <i>Open to all Workshop Delegates and Registered Guests</i> Exclusive Sponsor: 
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Tuesday, April 18, 2023

7:30 AM – 5:00 PM	Registration Open
7:30 – 8:00 AM	Continental Breakfast Sponsored By:   Ground/Water Treatment & Technology, LLC <i>Beyond Water Treatment</i>
8:00 – 8:10 AM	Welcome & Opening Remarks Dan Chartier, USWAG Executive Director JR Register, Ash Management & Solid Waste Committee Chair
8:10 – 10:00 AM	Plenary Session 1 State and Federal CCR Policy Updates <i>Moderator: JR Register, Ash Management & Solid Waste Committee Chair</i> Current CCR Regulatory Activity , Richard Huggins, Branch Chief, Energy Recovery and Waste Disposal Branch, U.S. Environmental Protection Agency Rulemaking Challenges with Respect to the CCR Rule in Louisiana , Steven Forrester, Geologist Supervisor, and Yolunda M. Righteous, J.D., Administrator of the Waste Permits Division, Louisiana Department of Environmental Quality Update on EPRI's CCR Research Portfolio , Bruce Hensel, Senior Technical Leader and Ben Gallagher, Principal Technical Leader, EPRI
10:00– 10:30 AM	Break Sponsored By: 
10:30 AM – 12:30 PM	Plenary Session 2 Research & Partner Organization Updates <i>Moderator: Lauren Collins, Southern Company</i> Application of Risk Management and Phytotechnology with Respect to CCR , Dr. Jeffrey Summers, U.S. Department of Energy, and Margaret Kurth and Christopher Cummings, U.S. Army Corps of Engineers Flow Failure Assessment for CCR Dams and Embankments , Dr. Timothy Stark, Professor of Civil Engineering, University of Illinois at Urbana-Champaign Update from the American Coal Ash Association on Beneficial Use , Thomas Adams, Executive Director, American Coal Ash Association


Tuesday, April 18, 2022

12:30 – 1:30 PM	Lunch Sponsored By: 	
1:30 – 3:00 PM	<p>Session 3A Implementation of Corrective Action</p> <p><i>Moderator: Steve Putrich, Haley & Aldrich</i></p> <p>Conceptual Site Model Refinement Using Geochemical and Isotopic Techniques, Sarah Holmstrom & Clint Miller, TRC</p> <p>In-Situ Groundwater Treatment Strategies at CCR Sites, Jim Finley and Naren Babu, Stantec</p> <p>Assessment of Groundwater Corrective Measures at Coal-fired Generation Ash Ponds – Evaluation Process and Potential Benefits of In-Situ Treatment Alternatives, Todd Plating and Mark Miesfeld, Haley & Aldrich</p>	<p>Session 3B Soil and Groundwater Characterization and Conceptualization</p> <p><i>Moderator: Nelson Morvant, Entergy</i></p> <p>Groundwater Monitoring – Alternate Source Demonstrations Lessons Learned, George Losonksy, Jared Mayeux and Raymond Sturdivant, Eagle Environmental Services</p> <p>Thinking About Tomorrow, The Importance and Practical Application of a Living Geochemical Conceptual Site Model (GCSM) at CCR Sites, Nicholas Tucci and John Bartos, Haley & Aldrich</p> <p>Groundwater Plume Analytics® Tools for Evaluating CCR Sites, Joe Ricker, WSP USA Inc.</p>
3:00 – 3:30 PM	Break Sponsored By: 	
3:30 – 5:00 PM	<p>Session 4A Implementation of Corrective Action (continued)</p> <p><i>Moderator: Rob Ferree, Geosyntec</i></p> <p>Injection Treatment of Coal Combustion Residual Constituents in Groundwater: Subsurface Hydraulic, Injectability, and Modeling Studies, Jim Redwine, Anchor QEA LLC</p> <p>Evaluation of Ion Exchange and Metal Oxide Sorption for Lithium Remediation in Groundwater at CCR Sites, Raul Tenorio and Jacob Chu, Haley & Aldrich</p> <p>An Evaluation of the Framework for and Approaches to Determining Long-term Capacity and Stability of Inorganic Constituent Attenuation in the CCR Industry, Jim Finely, PJ Nolan and Cole Mayer, Stantec and WSP</p>	<p>Session 4B Soil and Groundwater Characterization and Conceptualization (continued)</p> <p><i>Moderator: Graham Crockford, TRC</i></p> <p>Minimize the Site-wide False Positive Rate for CCR Detection Monitoring, Charles Hostetler, SCS Engineer</p> <p>Is It Time to Update Your Background Values for Groundwater Monitoring? Nathan Betts and Jay Piper, Jacobs</p> <p>Innovative Applications of Isotopic Evaluations to Support Alternate Source Demonstrations for CCR Constituents in Groundwater, Lauren Fitzgerald, Geosyntec Consultants, Inc.</p>
5:30 – 7:30 PM	Grand Reception - Cosponsored By: <i>Open to all Delegates and Registered Guests :</i>  	

Wednesday, April 19, 2023

7:30 – 8:00 AM	Breakfast Cosponsored by:  	
8:00 – 9:30 AM	<p>Session 5A Risk Management and Stakeholder Engagement <i>Moderator: Victor Modeer, Vistra</i></p> <p>TVA CCR Risk Management Program, Nicholas McClung, TVA</p> <p>Risk Assessment for Supporting CCP Site Closure and Protecting Human Health and the Environment, Ari Lewis, Gradient</p> <p>10-year Overview of Engineered CCR Management Solutions at a Major US Coal-fired Power Plant, Don Fuller, Stantec</p>	<p>Session 5B Closure of CCR Units <i>Moderator: Jeff Loewe, NiSource</i></p> <p>Dewatering – The First Phase of Ash Impoundment Closures, A Case Study, Christine Harris, Groundwater Treatment & Technology, LLC</p> <p>Closure of CCR Impoundments: Dewatering Techniques, Drain the Ash First, Adam Curry, Keller</p> <p>Challenges & Pragmatic Solutions for the Closure Design and Construction of a 300-Acre CCR Landfill – A Case Study, Jason Pokorny, Haley & Aldrich and Andrea Martinez, Salt River Project</p>
9:30 – 10:00 AM	Break Sponsored by: 	
10:00 – 11:30 AM	<p>Session 6A Long Term Stewardship & Information Management (cont'd) <i>Moderator: David Bacher, NRG</i></p> <p>Uncorking the Potential That Resides Within Existing Datasets, Nikki Pagano, Ramboll</p> <p>Best Practices for Environmental Data Management and Governance for Data Resilience, Darby Litz and Kristen Brown, TRC</p> <p>Data Quality Assessment of a Long Running QA Program – The Domino Effect of the Pandemic, Amanda Cover, Environmental Standards</p>	<p>Session 6B Beneficial Use of CCR <i>Moderator: Sam Bader, Xcel</i></p> <p>Reclaiming and Recycling Coal Ash for Beneficial Use in Concrete as Closure Strategy, Bill Fedorka and Tom Kierspe, The SEFA Group</p> <p>Successful Practices to Accelerate Pond Closure with Beneficial Reuse of CCR, John Gartin, Tetra Tech, Inc.</p> <p>CCR Closure by Beneficial Reuse: Sustainable Opportunities and Challenges Moving Forward, Saiprasad Vaidya, Ashcor</p>
11:30 – 12:30 PM	Lunch Cosponsored By: Open to all Workshop Delegates  	
12:30 PM	Workshop Concludes	

Wednesday, April 19, 2023

12:30 – 4:30 PM	USWAG Members-Only Session – Part 1 You must be a USWAG Member to Attend this Session. Separate Registration Required. Note: A separate detailed agenda is being developed and will be distributed to Members for this session.
	Break  <div data-bbox="1003 537 1549 659" style="border: 1px solid black; padding: 5px; text-align: center;">Add Your Logo Here To cosponsor this break contact Koren Dixon (koren.dixon@uswag.org)</div>
	USWAG Members-Only Session – Part 2 Note: A separate detailed agenda is being developed and will be distributed to Members for this session.

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