



June 17-19, 2024
 Sheraton Nashville
 Grand Downtown

Education ◆ Dialogue ◆ Collaboration



PRELIMINARY PROGRAM

Monday, June 17, 2024

11:00 AM – 5:00 PM <i>Location</i>	Registration Open
1:00 – 3:00 PM	<p>USWAG Member and Affiliate Dialogue <i>Session 1</i></p> <p><i>You must be A USWAG Member or USWAG Affiliate to attend this Session. Separate Registration Required.</i></p> <p>Note: A separate detailed agenda for the Dialogue will be available online for Members and Affiliates. You will need your username and password to access this document.</p>
3:00 – 3:30 PM	Break
3:30– 5:00 PM	<p>USWAG Member and Affiliate Dialogue <i>Session 2</i></p> <p><i>You must be A USWAG Member or USWAG Affiliate to attend this Session. Separate Registration Required.</i></p> <p>Note: A separate detailed agenda for the Dialogue will be available online for Members and Affiliates. You will need your username and password to access this document.</p>

Monday, June 17, 2024

5:30– 7:30 PM <i>Location</i>	Workshop Welcome Reception
<i>Note: Badge Pickup Will Be Available at the Reception Starting at 5:30</i>	<i>Open to all Workshop Delegates and Registered Guests</i>



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WORKSHOP PRELIMINARY PROGRAM

Tuesday, June 18, 2024

7:30 AM – 5:00 PM	Registration Open
7:30 – 8:00 AM	Continental Breakfast Sponsored By:
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 Keynote Speakers <i>Moderator: JR Register, Ash Management & Solid Waste Committee Chair</i> Federal CCR Regulatory Update. Andy Crossland, Director and Ceci DeRobertis, Deputy Director, Materials Recovery and Waste Management Division, Office of Resource Conservation and Recovery, Office of Land and Emergency Management, U.S. Environmental Protection Agency ASTSWMO State Issues Update. Kathryn Perszyk, Director, Division of Land Protection & Revitalization, Virginia Department of Environmental Quality and Chair, ASTSWMO Materials Management Subcommittee Update from the American Coal Ash Association on Beneficial Use. Thomas Adams, Executive Director, American Coal Ash Association
10:00– 10:30 AM	Break & Exhibit Viewing
10:30 AM – 12:30 PM Galerie 1, 2 & 3	Plenary Session 2 Research Update <i>Moderator: JR Register, Ash Management & Solid Waste Committee Chair</i> EPRI Coal Combustion Product Research Recap. Bruce Hensel, Principal Technical Leader and Ben Gallagher, Senior Technical Leader, EPRI Geomembrane Linings for Pumped Storage Hydro Applications. Andy Peters, Director, River Connectivity Systems, Dr. Timothy Stark, Professor of Civil Engineering, University of Illinois at Urbana-Champaign, and Scott DeNeale, Water Resources Engineer - Research Staff, Oak Ridge National Laboratory.

Tuesday, June 18, 2024

12:30 – 1:30 PM <i>Location</i>	Lunch	
1:30 – 3:00 PM <i>Track A Location</i> <i>Track B Location</i>	Session 3A Water Management <i>Moderator: tbd</i> Evaluating and Pilot Testing various Pore Water Extraction Systems , Clayton Pennington, Principal Engineer, Stantec Consulting Services Inc. An Innovative and Economical Approach for Fly Ash Dewatering , Alex Papp, Isales Manager - CCR Remediation, UCC Environmental Successful Water Management - The Key to CCR Unit Closure , Christine Harris, Director of Business Development and Steve Turner, VP CCR Operations, Groundwater Treatment and Technology	Session 3B Beneficial Use/Harvesting <i>Moderator: tbd</i> Planning for the Future of Beneficial Use , Gabe Lang, Vice President Utility/Power Market, Watershed Geo and Don Fuller, Vice President, Stantec Strategic Insights: Key Considerations for Planning Beneficial Use Projects with Coal Combustion Residuals (CCRs) , Kyle Flynn, Director, Business Development, Separation Technologies LLC Pathways to Maximise Stored Coal Combustion Products (CCPS): Partnership between NSW Government and Ash Development Association of Australia , Craig Heidrich, CEO, Ash Development Association of Australia
3:00 – 3:30 PM <i>Location</i>	Break and Exhibit Viewing	
3:30 – 5:00 PM <i>Track A Location</i> <i>Track B Location 3</i>	Session 4A Groundwater Monitoring <i>Moderator: tbd</i> Leveraging Data to Build an Effective Quality Assurance Program , DeAnna Aungst, Data Manager, Environmental Standards Updating Background Groundwater Statistical Values for CCR Compliance , May Raad, Principal Statistician and Molly Reeves, Senior Hydrogeologist, HDR Supply Chain Challenges Impacting CCR Groundwater Monitoring , Amanda Cover, Associate Chemist, Environmental Standards	Session 4B Closure <i>Moderator: tbd</i> Considerations for Sustainable and Resilient Coal Ash Cover Systems , Marc S. Theisen, Vice President - Business Development and Technical Services, Profile Products LLC Demolition of the Navajo Generating Station , Pete Everds, Senior Project Manager, Tetra Tech Inc. Innovative Solutions for CCR Facility Closure and Solar Development-A Case Study , Patrick Kiser, General Manager, Strategy & Engineering - Generation Projects & Fleet Services, Tennessee Valley Authority
5:30 – 7:30 PM <i>Location</i>	Workshop Grand Reception <i>Open to all Delegates and Registered Guests</i>	

Wednesday, June 19, 2024

7:30 – 8:00 AM <i>Location</i>	Breakfast	
8:00 – 9:30 AM	Session 5A Groundwater Remediation	Session 5B Regulatory
<i>Track A Location</i>	<i>Moderator: tbd</i>	<i>Moderator: tbd</i>
<i>Track B Location</i>	<p>Microbially-Mediated Redox Reactions for Managing CCR-Impacted Groundwater: A Collection of Studies on Arsenic and Molybdenum Immobilization, Aide Robles, Project Environmental Engineer, Haley & Aldrich</p> <p>Evaluation of Iron-Based Media for Selenium Removal from Water, Paul Togna, VP Power & Refining Markets, Envirogen Technologies Inc.</p> <p>Remediation of Li, Mo, B, As and other metals at CCR Landfills, Ponds and Adjacent Soils, Lowell Kessel, Hydrogeologist, CERES Remediation</p>	<p>Zero Liquid Discharge Implications for Bottom Ash Transport Water Under Revised ELG Regulations, David Donkin, Director of Wastewater Solutions, UCC Environmental</p> <p>Something Old, Something New: Monitoring Another CCRMU, Jay Piper, Project Manager (Geologist), Jacobs Engineering Group</p> <p>Putting Radiation Risks Associated with CCRMUs into Context: Understanding EPA's 2023 CCRMU Risk Assessment and What it Means to Utilities, Jay Peters, Principal Risk Assessor, Haley & Aldrich, Inc.</p>
9:30 – 10:00 AM <i>Location</i>	Break & Exhibit Viewing	
10:00 – 11:30 AM	Session 6A Groundwater Remediation	Session 6B Closure
<i>Track A Location</i>	<i>Moderator: tbd</i>	<i>Moderator: tbd</i>
<i>Track B Location</i>	<p>Lithium Remediation Beyond Dispersion: Assessing Application of Ion Exchange for Lithium Remediation in Groundwater at CCR Sites, Raul Tenorio, Brian Colonnese, & Min-Ying Jacob Chu, Haley & Aldrich</p> <p>Layered Double Hydroxides (LDHs) for In-Situ Remediation of Multi-Metal Arsenic, Cobalt, Lithium, and Molybdenum Groundwater Plumes, Jason Stuckey, Environmental Geochemist, Anchor QEA</p> <p>Advancements in Arsenic Treatment from Coal Ash Pond Groundwater: Challenges and Solutions, Jack Ma, Manager of Wastewater Technology, UCC Environmental</p>	<p>Impoundment Closure with Discrete In-Situ Solidification, Tim Silar, Principal Geoscientist, Silar Services Inc.</p> <p>The Closure and Capping of Ash Treatment Basin 2 at Kentucky Utilities Ghent Generating Station, Steve Turner, CCR Operations Manager, Tetra Tech Inc.</p> <p>Successful Closure and Remediation through Strategic Planning, Nathan Betts, PE PMP, Project Manager and Bob Cipoletti, Professional Geologist, Jacobs Engineering Group</p>
11:30AM – 12:30 PM <i>Location</i>	Lunch	
	Open to all Workshop Delegates	
12:30 PM	10th Annual CCR Workshop Concludes	

Wednesday, June 19, 2023

<p>12:30 – 4:00 PM <i>Location</i></p>	<p>USWAG Members-Only Session – Part 1 Ash Management & Solid Waste Committee Meeting You must be a USWAG Member to Attend this session. Separate Registration Required.</p> <p>Remote access will be provided for this Committee meeting.</p> <p>A separate detailed agenda for the Members-Only Session will be distributed to USWAG Members.</p>
<p><i>Location</i></p>	<p>Break</p>
<p><i>Location</i></p>	<p>USWAG Members-Only Session – Part 2 Ash Management & Solid Waste Committee Meeting You must be a USWAG Member to Attend this session. Separate Registration Required.</p> <p>Remote access will be provided for this Committee meeting.</p> <p>A separate detailed agenda for the Members-Only Session will be distributed to USWAG Members.</p>