



**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>	<b>Registration Open</b>
1:00 – 3:00 PM	<p><b>USWAG Member and Affiliate Dialogue</b>  <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><b>Note:</b> 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	<b>Break</b>
3:30– 5:00 PM	<p><b>USWAG Member and Affiliate Dialogue</b>  <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><b>Note:</b> 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>	<b>Workshop Welcome Reception</b>
<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>



June 17-19, 2024  
 Sheraton Nashville  
 Grand Downtown

Education ◆ Dialogue ◆ Collaboration



## WORKSHOP PRELIMINARY PROGRAM

### Tuesday, June 18, 2024

7:30 AM – 5:00 PM	<b>Registration Open</b>
7:30 – 8:00 AM	<b>Continental Breakfast Sponsored By:</b>
8:00 – 8:10 AM	<b>Welcome &amp; Opening Remarks</b> Dan Chartier, USWAG Executive Director JR Register, Ash Management & Solid Waste Committee Chair
8:10 – 10:00 AM	<b>Plenary Session 1</b> <b>Keynote Speakers</b> <i>Moderator: JR Register, Ash Management &amp; Solid Waste Committee Chair</i> <b>Federal CCR Regulatory Update.</b> 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 <b>ASTSWMO State Issues Update.</b> Kathryn Perszyk, Director, Division of Land Protection & Revitalization, Virginia Department of Environmental Quality and Chair, ASTSWMO Materials Management Subcommittee <b>Update from the American Coal Ash Association on Beneficial Use.</b> Thomas Adams, Executive Director, American Coal Ash Association
10:00– 10:30 AM	<b>Break &amp; Exhibit Viewing</b>
10:30 AM – 12:30 PM Galerie 1, 2 & 3	<b>Plenary Session 2</b> <b>Research Update</b> <i>Moderator: JR Register, Ash Management &amp; Solid Waste Committee Chair</i> <b>EPRI Coal Combustion Product Research Recap.</b> Bruce Hensel, Principal Technical Leader and Ben Gallagher, Senior Technical Leader, EPRI <b>CCR2PSH: Beneficial Use for Pumped Storage Hydro:</b> Andy Peters, Director, River Connectivity Systems, Dr. Timothy Stark, Professor of Civil Engineering, University of Illinois at Urbana-Champaign, Scott DeNeale, Oak Ridge National Laboratory.

# Tuesday, June 18, 2024

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

# Wednesday, June 19, 2024

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

# Wednesday, June 19, 2023

<p>12:30 – 4:00 PM <i>Location</i></p>	<p><b>USWAG Members-Only Session – Part 1</b> <b>Ash Management &amp; Solid Waste Committee Meeting</b> 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><b>Break</b></p>
<p><i>Location</i></p>	<p><b>USWAG Members-Only Session – Part 2</b> <b>Ash Management &amp; Solid Waste Committee Meeting</b> 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>