Design and Construction of Hazardous Waste Sites
West Program

Grand Hyatt Denver
1750 Welton Street, Denver, CO 80202

November 4 - 6, 2019
Announcing the November 2019 Symposium for Design and Construction Issues at Hazardous Waste Site Agenda

The SAME Denver Metro Post, the DCHWS West Steering committee, and the U.S. Environmental Protection Agency, are happy to announce the agenda for the Symposium for Design and Construction Issues at Hazardous Waste Site in Denver this fall. In addition to the Tuesday and Wednesday formal agenda, we would like to call your attention to the Monday evening session below led by the U.S. Environmental Protection Agency. Thank you and we appreciate your continued support for this event.

Monday Evening Session - Future of the Superfund Program: Discussion on Remedial Process Improvements

As many of you are aware, over the past two years, the Superfund Task Force worked to improve the Agency’s Superfund implementation to accelerate cleanups and shorten the path to safe, productive site reuse. Since initiation of the Task Force, many EPA staff and managers have worked diligently to make progress on realizing the Task Force's five goals through implementation of its 42 recommendations.

The Agency just issued its final Superfund Task Force Report [https://www.epa.gov/superfund/superfund-task-force-recommendations-and-accomplishments](https://www.epa.gov/superfund/superfund-task-force-recommendations-and-accomplishments). In addition to discussing progress on the 42 recommendations’ implementation, the report identifies the performance measures that EPA will use to ensure it successfully integrates into the Superfund program Task Force-related lessons learned. The Agency’s issuance of these measures demonstrates our commitment to continue to implement program and process changes to increase Superfund programmatic effectiveness consistently across all Regions. Continued improvement goes far beyond guidance document issuance; with no anticipated change in budget or FTE resources, improvement requires significant focus and discussion on how Superfund process and program management can be modified to support these improvements.

At the evening session this year, I will provide a brief overview of some of these new measures and my perspective on some of the challenges we will need to address and overcome in order to continue Superfund remediation progress at the challenging sites that remain in our portfolio.

My goal of this session is to hear from you, our stakeholders and design and construction implementers, as to the challenges or “pinch points” you see as impediments to our sites’ cleanup progress. To help facilitate discussion and feedback, below are some leading questions. As you read these and prepare for the discussion, I encourage you to think through not only the issues but also to identify what process changes we might adopt to address these challenges:

- How can we modify our approach to site management to expedite remedial progress?
- What common issues do you encounter in:
  - A completed RI/FS that lead to delays or increased costs in remedial design?
  - Remedial design packages or remedial action solicitation packages that impede implementation?
  - For sites where you have assisted in enforcement oversight, what are some common issues that hamper these sites’ progress?

If you have any questions before the symposium or would prefer to send your thoughts ahead of time, please send them to Kate Garufi of my staff mail to: garufi.katherine@epa.gov by October 15th. This input will help me tailor my presentation and further assist in discussion on challenges and ideas for improvement. Thank you in advance; I look forward to the dialogue.

Jim Woolford, Director
EPA Office of Superfund Remediation and Technology Innovation (OSRTI)
### Monday, November 4, 2019

- **3:00 pm** Registration Opens
- **3:00 pm - 4:00 pm** Briefing for Moderator/Panelists (closed meeting) – Kate Garufi
- **4:15 pm - 6:00 pm** Evening Session – Future of the Superfund Program: Discussion on Remedial Process Improvements
- **6:00 pm – 7:30 pm** Welcome Reception

### Tuesday, November 5, 2019

- **8:00 am – 8:30 am** Welcome and Announcements
  - Kate Garufi, EPA Office of Superfund Remediation and Technology Innovation (OSRTI)
  - Heather Wishart-Smith, SAME President-Elect.
  - Elizabeth Wessling, Denver Metro Post President, Society of American Military Engineers (SAME)
  - James Woolford, EPA OSRTI Director
- **8:30 am - 10:00 am** **Panel 1: Project Management Challenges: Natural Disasters and Designing for Resilience**
  - **Moderator:** Michelle Lordemann, US Army Corps of Engineers (USACE) Omaha District
  - Iron Mountain Mine Superfund Site: Emergency Planning and Remedy Resiliency  
    - **Author:** Lily Tavassoli, EPA Region 9
  - Failure and Re-Engineering of a Drainage Channel  
    - **Author:** Neil Brown, Ecology and Environment
  - Designing for Resilience – JEA’s Response to Hurricane’s Matthew and Irma and Relevance to Site Cleanup  
    - **Author:** Laurens van der Tak, Jacobs Engineering
- **10:00 am – 10:30 am** Break
- **10:30 am – Noon** **Panel 2: Remedial Design and Remedial Action Case Studies: Remote Sites**
  - **Moderator:** Sarah Babcock, EA Engineering, Science, and Technology, Inc., PBC
  - Offsetting Costs through Waste Recovery: Recycling of Contaminated Shoreline Metals in Order to Reach Project Completion  
    - **Author:** Jon Vail, KFS
  - Formosa Mine Adit #1 Reopening and Acid Mine Drainage Discharge System  
    - **Author:** Paul Dries, North Wind Construction Services
  - Benefits of Using GPS-controlled Construction Equipment at the Riley Pass Uranium Mine CERCLA Site  
    - **Author:** Peter Werner, US Forest Service (USFS), Custer Gallatin National Forest
- **Noon – 1:30 pm** Lunch
- **1:30 pm – 3:00 pm** **Panel 3: Remedial Design/Remedial Action Case Studies: Managing Stakeholders**
  - **Moderator:** Tommy Jordan, Black and Veatch Special Projects Corp
  - Engineered Geosynthetic Turf Cover System for Capping Phosphogypsum Stack at the Mississippi Phosphates Corporation  
    - **Author:** Craig Zeller, EPA Region 4
  - Asarco Slag Peninsula Superfund Site Remediation and Metro Parks Tacoma Dune Park Construction  
    - **Author:** Kristine Koch, EPA Region 10
  - A Case Study of the Successful Transition from Perpetual Pump and Treat to Monitored Natural Attenuation and Long-term Monitoring  
    - **Author:** Dominic Giaudrone, CDM Smith
- **3:00 – 3:30 pm** Break
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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Author</th>
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<tr>
<td>3:30pm – 5:00 pm</td>
<td><strong>Panel 4: Successfully Navigating Remediation Approach Changes: A Collection of Case Studies</strong>&lt;br&gt;<strong>Moderator:</strong> Shane Cherry, Hydrogeologic, Inc.</td>
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<td>• Urban Creek Sediment Remediation and Isolation Utilizing a Geosynthetic Clay Liner&lt;br&gt;<strong>Author:</strong> Joel Ruselink, Environmental Field Services Inc.</td>
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<td>• Canyon Creek Repository Design and Construction; Challenges with Previous Removal Action and Incorporating Adaptive Management During Remedial Design&lt;br&gt;<strong>Author:</strong> Cody Cline, CDM Smith</td>
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<td>• Use of an Optimization Study to Achieve Remedial Success at Jones Road Ground Water Plume Superfund Site&lt;br&gt;<strong>Author:</strong> Patrick Appel, EA Engineering, Science, and Technology Inc.</td>
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<td>5:00 – 7:00 pm</td>
<td>Group Networking Reception</td>
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<td><strong>Wednesday, November 6, 2019</strong></td>
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<td>8:00 am – 9:30 am</td>
<td><strong>Panel 5: Thermal Remediation Lessons Learned</strong>&lt;br&gt;<strong>Moderator:</strong> Jennifer Edwards, EPA HQ OSRTI</td>
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<td>• Lessons Learned on the Design and Construction of over 150 Thermal Remediation Systems and an Example Case Study&lt;br&gt;<strong>Author:</strong> John LaChance, Cascade Thermal</td>
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<td>• Lessons Learned from Phase 1 In-Situ Thermal Remedial at the Velsicol Chemical Superfund Site&lt;br&gt;<strong>Author:</strong> Tom Alcamo, EPA Region 5</td>
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<td>• Lessons Learned and Planning Considerations in Applying In Situ Thermal Remediation at Sub-steaming Temperatures&lt;br&gt;<strong>Author:</strong> David Fleming, TRS Group</td>
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<td>9:30 am – 10:00 am</td>
<td>Break</td>
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<td>10:00 am - 11:30 am</td>
<td><strong>Panel 6: Innovative or Non-traditional Design Approaches</strong>&lt;br&gt;<strong>Moderator:</strong> Mary Boardman, Colorado Department of Public Health and Environment</td>
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<td>• Foregoing Traditional Prescriptive Design Through an Implementation Plan, Non-Time Critical Removal Action at the Furnace Creek Area&lt;br&gt;<strong>Author:</strong> Tausha Miller, CDM Smith</td>
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<td>• Innovative Design Approach for Interim Measures at Tar Creek Superfund Site&lt;br&gt;<strong>Author:</strong> Ramzi Khuri, Jacobs Engineering</td>
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<td>• Design and Construction of Mine Waste Cap at the Jamestown Mine for the Jamestown Trust&lt;br&gt;<strong>Author:</strong> Julian C. Isham, APTIM</td>
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<td>11:30 am - 12:00 pm</td>
<td>Closing Remarks&lt;br&gt;Kate Garufi/Audience Comments/ Adjourn</td>
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The SAME Denver Metro Post thanks the following sponsors for their generosity and commitment to the 2019 DCHWS-West Conference.