

**Make it a Sustainable and Healthy Communities**  
**Board of Scientific Counselors Subcommittee**  
**Contaminated Sites Research**  
 March 30 – April 1, 2021

| TIME (EST)  | TOPIC   | PRESENTER   |
|---|---|---|
| <b>Day 1: Focus on Mine Waste and Underground Storage Tanks Research Implementation</b><br><b>Tuesday, March 30, 2021</b> |   |   |
| 10:45 - 11:00   | Sign on and Technology check  |   |
| 11:00 - 11:10   | Meeting Kickoff/FACA Rules/expectations/logistics   | <b>Tom Tracy</b> , DFO, OSAPE   |
| 11:10 - 11:20   | Welcome   | <b>Chris Frey</b> , ORD, DAA for Science Policy<br><b>Jennifer Orme-Zavaleta</b> , ORD<br>Principal DAA for Science |
| 11:20 - 11:30   | Subcommittee Chair Opening Remarks and Introductions  | <b>Courtney Flint</b> , Chair   |
| 11:30 - 11:40   | SHC Opening Comments  | <b>Andrew Geller</b> , Acting NPD, SHC  |
| 11:40 – 11:50   | Research Implementation Approach between ORD and OLEM   | <b>Carlton Waterhouse</b> , OLEM, Deputy Assistant Administrator  |
| 11:50 – 12:10   | <b>Break – return with lunch</b>  |   |
| 12:10 – 12:20   | Implementation of Mining and UST Research in CESER  | <b>Greg Sayles</b> , CD, CESER  |
| <b>Charge Question 1: Treatment and Control of Mining Wastes</b><br><b>Greg Sayles</b>                                    |   |   |
| 12:20 – 2:20  | Geochemical Characterization of Acid Mine Drainage  | <b>Richard Wilkin</b> , CESER   |
|   | Evaluation of a Permeable Reactive Barrier for Treatment of Acidity and Heavy Metals in Groundwater | <b>Ralph Ludwig</b> , CESER   |
|   | Isolation of Mine Waste Field Pilot   | <b>Ed Barth</b> , CESER   |
|   | 10-Minute Break   |   |
|   | Soil Amendment Technologies to Stabilize Mercury  | <b>Todd Luxton</b> , CESER  |
|   | Hardrock Mining Remediation Challenges and Treatment Technologies                                   | <b>Barbara Butler</b> , CESER<br><b>Ian Bowen</b> , R8  |
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| 2:20 – 2:50   | BOSC Subcommittee Discussion and Qs/As  | <b>Courtney Flint, Chair</b>                          |
| 2:50 – 3:00   | Break   |   |
| <b>Charge Question 2: Underground Storage Tanks</b><br><b>Thomas Holdsworth</b> |   |   |
| 3:00- 4:15  | UST Research Overview   | <b>Fran Kremer, CESER</b><br><b>Mark Barolo, OUST</b> |
|   | UST Web Application V1.0 and V2.0   | <b>Alexander Hall, CESER</b>                          |
|   | Diving Ground Water Plume Application   | <b>Ralph Ludwig, CESER</b>                            |
|   | Identify Methods to Assess Corrosion Processes Based on Tank Infrastructure and Fuel Type | <b>Fran Kremer, CESER</b>                             |
| 4:15-4:30 PM  | 15 minute Break   |   |
| 4:30 – 5:00   | BOSC Subcommittee Discussion and Qs/As  | <b>Courtney Flint, Chair</b>                          |
| 5:00  | Wrap-up Day 1   | <b>Courtney Flint, Chair</b>                          |

| TIME (EST)  | TOPIC   | PRESENTER  |
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| <b>Day 2: Focus on Solvent Vapor Intrusion and Lead Research Implementation<br/>Wednesday, March 31, 2021</b> |   |  |
| 10:45-11:00 AM  | Sign on and Technology check  |  |
| 11:00 – 11:05   | BOSC Subcommittee Chair<br>Opening Remarks  | <b>Courtney Flint</b> , Chair  |
| 11:05-11:15   | Public Comments   | <b>Tom Tracy</b> , DFO, OSAPE  |
| 11:15 – 11:25   | Implementation of SVI and Lead<br>Research in CEMM  | <b>Tim Watkins</b> , CD, CEMM  |
| <b>Charge Question 3: Solvent Vapor Intrusion<br/>Tim Watkins</b>   |   |  |
| 11:25– 1:00   | Characterize Vapor Intrusion in<br>Large Multi-component<br>Buildings   | <b>Brian Schumacher</b> , CEMM                                       |
|   | 10-Minute Break   |  |
|   | Field Testing and Data to<br>Update Guidance on Subslab<br>Sampling of Soil Gas   | <b>John Zimmerman</b> , CEMM   |
|   | Data Models of Temporal and<br>Spatial Variability in Vapor<br>Intrusion  | <b>Alan Williams</b> , CEMM  |
|   | Program Office perspective  | <b>Henry Schuver</b> , OLEM  |
| 1:00 – 1:30   | BOSC Subcommittee Discussion<br>and Qs/As   | <b>Courtney Flint</b> , Chair  |
| 1:30 – 1:50   | Break   |  |
| <b>Charge Question 4: Chemicals of Immediate Concern (Lead)<br/>Jennifer Cashdollar</b>                       |   |  |
| 1:50 - 4:00   | Collaborative Science-Based<br>Approaches and Results to<br>Identify High Lead (Pb) Exposure<br>Locations in the U.S. and Key<br>Drivers at those Locations | <b>Valerie Zartarian</b> , CPHEA and<br><b>Alan Walts</b> , R5, OECA |
|   | Health Effects of Changing Lead<br>Exposures and Community<br>Factors Which May Alter<br>Potential Health Benefits  | <b>Lauren Wyatt</b> , CPHEA  |
|   | 10-Minute Break   |  |
|   | Methods and approaches to<br>improve accuracy, reliability and<br>confidence of children’s soil and<br>dust ingestion rates                                 | <b>Nicolle Tulse</b> , CPHEA   |
|   | Bioavailability, Bioaccessibility<br>and Innovative Remediation<br>Methods  | <b>Karen Bradham</b> , CEMM and<br><b>Matt Lambert</b> , OSRTI       |

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|           | Assessment tools for heavy metal bioavailability in soils and sediments | <b>Richard Devereux, CEMM</b> |
|           | Pb isotopes as a tool for source apportionment                          | <b>Rick Wilkin, CESER</b>     |
| 4:00-4:30 | BOSC Subcommittee Discussion and Qs/As                                  | <b>Courtney Flint, Chair</b>  |
| 4:30      | Wrap up Day 2   | <b>Courtney Flint, Chair</b>  |

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| <b>Day 3: Focus on Technical Support and BOSC Deliberation<br/>April 1, 2021</b> |   |   |
| 10:45 – 11:00  | Sign on and Technology Check                            |   |
| 11:00 – 11:05  | BOSC Subcommittee Chair Opening Remarks                 | <b>Courtney Flint, Chair</b>  |
| 11:05 – 11:15  | Public Comments   | <b>Tom Tracy, DFO, OSAPE</b>  |
| <b>SHC Session 5: Technical Support<br/>Charles Maurice</b>                      |   |   |
| 11:15 – 12:15  | Technical Support and Impact to Research Implementation | <b>Charles Maurice, SHC<br/>Diana Cutt, CESER<br/>Felicia Barnett, CESER<br/>Dan Powell, OMDP</b> |
| 12:15 – 12:30  | BOSC Subcommittee Discussion Qs/As                      | <b>Courtney Flint, Chair</b>  |
| 12:30 – 1:00   | Charge to Breakout Groups                               | <b>Courtney Flint, Chair</b>  |
| 1:00 – 2:30  | BOSC Breakout Discussions                               | <b>SHC BOSC SC</b>  |
| 2:30 – 3:30  | BOSC Report Out and Adjourn                             | <b>Courtney Flint, Chair<br/>Andrew Geller, Acting NPD</b>  |