PROGRAM
22-23 October 2019
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RMS Response Management Services
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### Conference Overview & Featured Events

#### Monday 21 October 2019
- **Exhibitor set-up**: 1:00pm - 5:00pm, Exhibit Hall
- **AREMA Committee 13 Meeting**: 3:30pm - 4:30pm, 314A

#### Tuesday 22 October 2019
- **Registration**: 7:00am - 8:30am, Pine Lounge
- **Registration**: 8:30am - 5:30pm, Illini Room Lobby
- **Continental Breakfast**: 7:00am - 9:00am, Exhibit Hall
- **Plenary Session**: 8:00am - 9:50am, Illini Room A
- **Break**: 9:50am - 10:20am, Exhibit Hall
- **Presentation Sessions**: 10:20am - 12:00pm, Illini Room A & 314
- **Lunch**: 12:00pm - 1:15pm, Pine Lounge & Exhibit Hall
- **Presentation Sessions**: 1:15pm - 2:55pm, Illini Room A & 314
- **Break**: 2:55pm - 3:25pm, Exhibit Hall
- **Presentation Sessions**: 3:25pm - 5:05pm, Illini Room A & 314
- **Poster Reception**: 5:05pm - 6:45pm, Pine Lounge & Exhibit Hall
- **AREMA Committee 13 Dinner**: 7:00pm - 9:30pm, Illinois Terminal - 4th Floor

#### Keynote: TBA

#### Wednesday 23 October 2019
- **Registration**: 7:00am - 5:00pm, Illini Room Lobby
- **Continental Breakfast**: 7:00am - 9:00am, Exhibit Hall
- **Women’s Outreach Breakfast**: 7:00am - 8:00am, 210
- **Plenary Session**: 8:00am - 9:45am, Illini Room A
- **Break**: 9:45am - 10:25am, Exhibit Hall
- **Presentation Sessions**: 10:25am - 12:05pm, Illini Room A & 314
- **Lunch**: 12:05pm - 1:35pm, Pine Lounge & Exhibit Hall
- **Presentation Sessions**: 1:35pm - 3:15pm, Illini Room A & 314
- **Break**: 3:15pm - 3:45pm, Exhibit Hall
- **Presentation Sessions**: 3:45pm - 5:05pm, Illini Room A & 314
- **Adjourn**: 5:05pm

### Quick Guide

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<td>Women’s Networking &amp; Outreach Breakfast</td>
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Illini Union Floor Plans

1st Floor

2nd Floor

3rd Floor
Tuesday 22 October

Plenary Session
Moderator: John Williams - Pace Analytical
Location: Illini Room A

8:00 Welcome and Introduction
Christopher Barkan - University of Illinois at Urbana-Champaign

8:10 Environmental Issues Affecting the North American Rail Industry
Robert Fronczak - Association of American Railroads

8:35 The Next Evolutionary Step in Railroad Infrastructure Surveying: A Drone- mounted LiDAR Approach to Gathering Accurate Spatial Data
Micah Santos & E. Daniel Carre - GHD
Christopher Beranek & Bryan Naranjo - Norfolk Southern Railway

9:00 New Approach to Evaluate Risk within an Environmental Audit Program
Joseph Muggli - AECOM
Jason Martin - BNSF Railway

9:25 Building the National Rail Emissions Inventory
Mark Janssen - Lake Michigan Air Directors
Matt Harrell - Illinois Environmental Protection Agency

9:50 Break - Exhibit Hall

Compliance & Permitting
Moderator: Kevin Keller - HDR
Location: Illini Room A

10:20 Surface Transportation Board Environmental Reviews - How to Get Started
Danielle Gosselin - Surface Transportation Board
Elizabeth Diller - ICF

10:40 “So You Want to Build a Railroad?” - An Environmental Clearance and Permitting Story
Kevin Keller - HDR

11:00 Environmental Planning to Reduce Project Delays and Environmental Impacts
William Parry - CSX Transportation, Inc
Daniel Ley & Thomas Steiner - Arcadis U.S., Inc

11:20 New PHMSA Compliance Challenges for Railroad ‘Comprehensive Oil Spill Response Plans’
Colin McWilliams - RIO Environmental Consultants
Leo Thorbecke - TRC Companies, Inc

11:40 Industrial Control Systems Security
Greg Martin - BNSF Railway

12:00 Lunch - Boxed Lunches available in Pine Lounge & Exhibit Hall
10:20 Successful Implementation of a Generator Compliance Program at CSX Transportation, Inc
Meaghan Atkinson - CSX Transportation, Inc
Christine Schaub - Environmental Consulting & Technology, Inc

10:40 Use of Digital Cameras to Measure Visible Emissions
Rebecca Heilman - CSX - TRANSFLO Terminal Services

11:00 Stationary Air Source Compliance: Refrigerants & Ozone Depleting Substances
Jeffrey Barwick - Norfolk Southern Railway
Tony Jabon - Trinity Consultants

11:20 Introduction and Application of New AREMA Air Quality Compliance Chapter Update and Primer on AREMA Environmental Committee 13
Leo Thorbecke & Gale Hoffnagle - TRC Companies, Inc

11:40 Save Migration Along Catenary - The Impact of Electrified Railway Infrastructure on Bats in Central Europe
Marcin Pakula - AECOM
Joanna Furmankiewicz - University of Wrocław Poland

Lunch Seating available in 209, 211, 213, 215, 402, 403, 404, 405, 406, 407, 408, 409, Pine Lounge & Food Court (lower level)
Tuesday 22 October

Compliance & Permitting
Moderators: Robert Fronczak - Association of American Railroads &
Jeff LaRock - TRC Companies, Inc
Location: Illini Room A

1:15 Crossing Protected Waters - The CSXT Elvira Bridge Replacement
Matthew Adkins - CSX Transportation, Inc
J. Cole Reagan - Wood

1:35 Replacing CN’s Bonnet Carre Spillway Bridge - Permitting Strategies to
Replace Historic Structures in a Complex Regulatory Environment
Kari Harris - CN Railway
James Thomas - HDR

1:55 Staying Ahead of Emerging Regulations
Violet Fisher - BNSF Railway
Matt Prasek - EA Engineering, Science, and Technology, Inc

2:15 Hidden in Plain Sight - Environmental, Health, and Safety Violations
and How to Avoid Them
James Schneider - Environmental Resources Management

2:35 Regulatory Implications for the U.S. and Canada: British Columbia’s New
Spill Planning Regulations for Rail
Colin McWilliams - RIO Environmental Consultants
Joseph Sawdey - Shannon and Wilson, Inc

2:55 Break - Exhibit Hall

Conference Presentations

2019 RREC Presentations will be available for download at:
https://uofi.box.com/v/2019RREC-Presentations

Wireless Internet

Choose the “IllinoisNet_Guest” wireless network.
Open an internet browser and the UI Wireless page should load.
Select the “Register a temporary guest account” link below the Log In.
Fill out the form, accept the terms of use, and click Register.
The University is legally required to collect your information before
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Click the Log In button at the bottom of your confirmation page.
For help with the Illinois wireless network, please contact the Help Desk
at 217-244-7000.
Note: WiFi Registration forms are valid for a 24 hour period. A new
registration form will need to be completed to gain access after 24 hours.
Environmental Analytical Data & Applications
Moderator: Betsy Beauchamp - Eurofins TestAmerica
Location: 314

1:15 Implementing Mobile App Technology for Trash Management
Gipsy Plis - CSX Transportation, Inc

1:35 Challenges and Considerations with PFAS Analysis
Erin Rodgers - Environmental Standards, Inc
L. Christopher Oakes - Norfolk Southern Railway

1:55 Environmental Data Science Innovation in the Age of Big Data
J. Michael Hawthorne - GEI Consultants, Inc

2:15 Differentiating Impact Areas Using Compound-Specific Isotope Analysis
Daniel Dyer - CSX Transportation, Inc
Sean Gormley & Erin Busby - Wood

2:35 Technological Advancements and Direct Improvements to Field Sampling
Judith R. Morgan - Pace Analytical

Conference App - Whova
The Whova App allows you to network with other attendees, create your own agenda of sessions, view exhibitor information, access floor plans, keep up to date with conference events and much More!

Download Whova from the App Store or Google Play and then search for the 2019 Railroad Environmental Conference and enter the invitation code 2019RREC.

Shuttle Information
Please look for the Peoria Charter Shuttle Buses.

Tuesday
7:00am - 6:15pm
Transportation will be provided to and from the dinner at Illinois Terminal

Wednesday
7:00am - 5:30pm
Shuttles Provided between Illini Union - Hampton Inn - iHotel - Holiday Inn - Hilton Garden Inn
**AREMA Committee 13 Dinner**

**Location: CityView at the Illinois Terminal**
45 E University Avenue, Champaign, IL 61820

CityView is located on the 4th Floor of the Illinois Terminal. Accessible by using the elevators in the North portion of the building. Students will be present to help guide.

**Shuttle Transportation:**
Start of Dinner: From Illini Union to Illinois Terminal
End of Dinner: From Illinois Terminal to Shuttle Hotels (see page 9 for list of hotels)

**Parking:**
Pay Lot is available immediately West of the Illinois Terminal.
## Ecological Protection & Conservation
Moderator: TBD  
Location: 314

### 3:25
**Consideration of a No-Action-Alternative Remedy for Surface Water Sheen to Protect Threatened and Endangered Species**  
Mark Holsing - AECOM  
Ryan Schweigman - EnviroScience  
L. Christopher Oakes - Norfolk Southern Railway

### 3:45
**Monitoring and Mitigating Rail-Related Moose Mortality in Northern British Columbia**  
Garrett Kerr & Brad Pollard - McElhanney Consulting Services Ltd.  
Luanne Patterson - CN Railway

### 4:05
**Fire on the Track - Managing Methane During Bridge Construction**  
Kelly Gearhart - Union Pacific Railroad  
Ali Wright & Rachel Saari - Arcadis U.S., Inc

### 4:25
**Managing Improperly Treated Bridge Ties Over Water**  
Bryan Naranjo, Christopher Hunsicker & Troy Carpenter - Norfolk Southern Railway

### 4:45
**Fresh Cross-Ties on River Bridges - Solutions for Summer Sheens and Regulatory Compliance**  
David Sullivan & Jeff LaRock - TRC Companies, Inc  
Paul Mastrodomenico - Global Remediation & Daniel Dyer - CSX Transportation, Inc

### 5:05
**Poster Reception - Pine Lounge / Exhibit Hall**

### 7:00
**AREMA Committee 13 Dinner - Illinois Terminal**

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### Emergency Information

Dial **911** for assistance.

The conference location is: **Illini Union, 1401 W. Green St., Urbana, IL 61801**

**AED:** Located at the Hotel Front Desk (North Entrance of the Illini Union)

**Tornado:** Use the stairs on the north or south side of the building to go to the basement for shelter.

**Fire:** Use the doors located on the west side of the building and meet near the Alma Mater statue.

**Run > Hide > Fight**

- **Run:** Leaving the area quickly is the best option if it is safe to do so.
- **Hide:** When you can’t or don’t want to run, take shelter indoors.
- **Fight:** As a last resort, you may need to fight to increase your chances of survival.

**Carle Foundation Hospital**  
611 West Park Street, Urbana IL  
217-383-3311

**OSF Heart of Mary Medical Center**  
1400 West Park Street, Urbana IL  
217-337-2000

**Non-Emergency Police Department Contact Information**

- **Champaign**  
  82 East University Ave  
  217-351-4545

- **Urbana**  
  400 South Vine Street  
  217-384-2320

- **University of Illinois**  
  1110 W Springfield Ave  
  217-244-7209
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Amtrak Lumber St. Facility: Eliminating Diesel Fuel Sheen to the Chicago River</td>
<td>John Puckett, Jeff Johnsen &amp; Frank Aceto - Stantec Consulting Corporation,</td>
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<td></td>
<td>Craig Caldwell &amp; Robert Mesec - Amtrak</td>
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<tr>
<td>8:25</td>
<td>CREATE – Implementing Precedence: Fostering Collaboration and Partner Commitments for Community Benefits</td>
<td>Samuel Tuck III - Illinois Department of Transportation</td>
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<tr>
<td>8:50</td>
<td>Railroad Environmental Conference Sponsor Acknowledgement</td>
<td>Christopher Barkan - University of Illinois at Urbana-Champaign, Beth</td>
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<td>Termini - Amtrak</td>
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<td>9:20</td>
<td>AAR Environmental Excellence Awards</td>
<td>Robert Fronczak - Association of American Railroads</td>
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<tr>
<td>9:45</td>
<td>Break - Exhibit Hall</td>
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<tr>
<td>10:25</td>
<td>NJ TRANSIT’s First-of-its-Kind “Microgrid” (a.k.a. NJ TRANSITGRID TRACTION POWER SYSTEM)</td>
<td>John Geitner - New Jersey Transit Corporation, Mittul Patel - BEM Systems,</td>
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<td>Inc</td>
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<td>10:45</td>
<td>Piloting the FFGA and Permitting Simultaneously Without Derailing the Process</td>
<td>Joshua Gillespie, Jordan Myers &amp; Caitlin Timoney - HDR</td>
</tr>
<tr>
<td>11:05</td>
<td>Improving the South Shore Line, One Dune Wetland at a Time</td>
<td>Janice Reid - HDR</td>
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<tr>
<td>11:25</td>
<td>Condition Based Maintenance</td>
<td>Christopher Lager - BNSF Railway, Timothy White - AECOM</td>
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<td>11:45</td>
<td>Waterproofing a Railroad Crosstie Storage Platform and Treating Surface Water with Reverse Osmosis</td>
<td>Robert Noël de Tilly, Idris Sadoun &amp; Peter Howard - GHD, Frederic Gauthier,</td>
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<td>Sylvain Renaud – CN Railway</td>
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<tr>
<td>11:55</td>
<td>Lunch - Boxed Lunches available in Pine Lounge &amp; Exhibit Hall</td>
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</table>
Women’s Networking & Outreach Breakfast  
Time: 7:00 AM | Location: 210

The Women’s Networking & Outreach Breakfast will provide an exclusive networking opportunity for women professionals and students at the Railroad Environmental Conference. The breakfast will also feature a panel discussion with women railroad professionals to discuss their experiences and perspectives on careers in this field.

Wednesday 23 October

Environmental Response
Moderators: Devin Sprinkle - CN Railway & Leo Thorbecke - TRC Companies, Inc  
Location: 314

10:25 The Real Time Benefits of GIS Data Collection During a Natural Disaster: CSX Transportation’s Emergency Response to Hurricane Florence  
Lance Rasnake - Wood  
Erik Henderson & Jacob Metcalf - CSX Transportation, Inc

10:45 Agency Coordination Following Extreme Flooding: When Emergency Repairs are no Longer Sufficient  
Steve Cheney & Kevin Rice - Union Pacific Railroad  
Abby Korte - Jacobs

11:05 Heavy Oil Transportation: Challenges, Regulations, & Risk Management for the Misunderstood ‘Non-Floating Boogeyman’  
Colin McWilliams - RIO Environmental Consultants  
Tony Houdyshell - Canadian Pacific Railway

11:25 Planning for the Worst: COSRP for Crude, Ethanol, and Other Nasties  
Matthew Horn & Gabreille McGrath - RPS

Sustainability, Climate Resilience & Engagement
Moderators: Meaghan Atkinson - CSX Transportation, Inc & François Beaudoin - Golder  
Location: 314

11:45 Sustainable Metrics for Railroad Demolition and Maintenance Wastes and Construction Material Beneficial Use Advantages  
Gary Rozmus & Brandon Fagan - GEI Consultants, Inc

Lunch Seating available in 209, 211, 213, 215, 402, 403, 404, 405, 406, 407, 408, 409, Pine Lounge & Food Court (lower level)
Wednesday 23 October

**Stormwater and Wastewater**
Moderator: Lara Thurn - AECOM
Location: Illini Room A

1:35 **An Equalization Approach to Protect Industrial WWTPs from Highly Concentrated Waste Streams**
Christopher Beranek - Norfolk Southern Railway
Lara Thurn, Divya Malyala, Samuel Karlovich & Robert Stolt - AECOM

1:55 **Storm Water and Waste Water Design Guidelines: Examples of How the ‘Devil is in the Details’**
Chad Prior - BNSF Railway
Kevin (Beau) Perry - TRC Companies, Inc

2:15 **Wetlands Treatment Pond Improvements for Industrial Stormwater at a Rail Yard**
Brian Zacker - CSX Transportation, Inc
Anthony Hoffman - Gannett Fleming, Inc

2:35 **One Stormwater Basin, Three Permits: Amtrak’s Regional Solution to Maryland’s Chesapeake Bay Restoration Requirement**
Brian Sariano, Nathan Walker & Cedric Ruhl - Wood
Michael Panhuise - Amtrak

**Remediation**
Moderators: Craig Caldwell - Amtrak & Joshua Sales - Kennedy Jenks
Location: Illini Room A

2:55 **Evolution of an Environmental Conceptual Site Model: 32 Years of Progress and Innovation**
Barbara Oslund & Barry Harding - AECOM

3:15 **Break - Exhibit Hall**

**Remediation**
Moderators: Craig Caldwell - Amtrak & Joshua Sales - Kennedy Jenks
Location: Illini Room A

3:45 **Pre-emptive Measures and Enhanced Reductive Dechlorination to Address Chlorinated Solvents in Indoor Air and Groundwater**
Steve Baggett, Frank Aceto & Paul Miller - Stantec Consulting Corporation
Craig Caldwell & Andy Enzman - Amtrak

4:05 **Remediation of a Nitrate Plume: It’s All About the Bugs**
Violet Fisher & Thomas Jones - BNSF Railway
Joshua Sales - Kennedy Jenks

4:25 **Sixteen Sweet Lines of Evidence for Surface Water Protection at an LNAPL Site**
Sean Karoly & Wayne Amber - Geosyntec Consultants
Steven Aufdenkampe - Norfolk Southern Railway

4:45 **Bioremediation Successes in Cold-Weather Climates**
Katie Hoffmann & Keith Rapp - Pinnacle Engineering, Inc
Greg Jeffries - BNSF Railway

5:05 **Adjourn**
### Wednesday 23 October

#### Sustainability, Climate Resilience & Engagement
**Moderators:** Meaghan Atkinson - CSX Transportation, Inc & François Beaudoin - Golder
**Location:** 314

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
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| 1:35   | **Assessing the Design, Construction, and Life Cycle Sustainability of MTA New York City Transit Capital Projects**  
Steven Eget - Dewberry  
Thomas Abdallah - MTA New York City Transit |                                                                                                   |
| 1:55   | **Refining a Successful Approach to Indigenous Engagement for Major Infrastructure Project Developments**  
Paul Schaap & Andrea Nokleby - Dillon Consulting Limited  
Chris Dane - Canadian Pacific Railway |                                                                                                   |
| 2:15   | **NJ TRANSIT’s Wayside Signals, Power & Communication Resiliency Project**  
John Geitner - New Jersey Transit Corporation  
Mittul Patel - BEM Systems, Inc |                                                                                                   |
| 2:35   | **Sustainability Performance, Disclosure and Engagement with Local Communities on Infrastructure Projects: A Comparative Study of the Railway Industry**  
Shelley-Ann John - Athabasca University |                                                                                                   |
| 2:55   | **Getting to the Sweet Spot in a World of Changing Climates: Balancing Selection of Design Storm with sizing of Wastewater Facilities to Maximize Cost-Benefit**  
Chris Benson & Ryan Gottsch - Jacobs  
Amber Nickens - Union Pacific Railroad |                                                                                                   |
| 3:45   | **Maladapted: Railroads and the Urgency of Physical Climate Adaptation**  
Scott Nadler - Nadler Strategy, LLC |                                                                                                   |
| 4:05   | **Fuel Recovery from Stored Locomotives**  
Brian Booth - CSX Transportation, Inc |                                                                                                   |
| 4:25   | **Creating a New User-Friendly Environmental Audit Management Information System**  
Eric Chang - Norfolk Southern Railway |                                                                                                   |
| 4:45   | **Environmental Culture Change in the Rail Industry: Affecting Change through a Comprehensive Environmental Culture Assessment**  
Danielle Post & Stacey Harvey - ERM  
Dana Banks - Pan Am Railways |                                                                                                   |
| 5:05   | Adjourn                                                                                                                                               |
Compliance & Permitting
On the Fast Track: Streamlining Section 106 Compliance for Rail Rights-of-Way via the Advisory Council on Historic Preservation’s Program Comment
Tate J. Elder, Rick Starzak & Chris Moelter - ICF
Expediting the NEPA Process For Rail Projects While Remaining Legally-Compliant: Challenges in Responding to Calls for Streamlining Environmental Reviews
Michael Smith - GEI Consultants, Inc
Fairmont, Morgantown, and Pittsburgh (FM&P) - Environmental Planning to Develop a Public Partnership and Preserve Rail History
John Blanton & Walker Brazell - CSX Transportation, Inc
Jamie Barnette & Daniel Ley - Arcadis U.S., Inc
Minimize Waste and Avoid the Penalty - How Sifting through Accumulated Materials can Save Money and Prevent Unnecessary Fees
Ryan Jorrey & Jeffrey LaRock - TRC Companies, Inc
Joel Melino - Hepaco, LLC
Rick Norris - Genesee & Wyoming Railroad Services, Inc
Navigating Issues and Identifying Costs Associated with Wetland and Protected Species Permit Acquisition and Compliance
Steve Rice - GEI Consultants, Inc
Permitting Class 1 Freight Railroad Bridge Replacement Projects in the 21st Century: Collaboration Required
Amber Robinson & Richard Wilson - HDR

Ecological Conservation & Protection
Save Migration Along Catenary - The Impact of Electrified Railway Infrastructure on Bats in Central Europe
Marcin Pakula - AECOM
Joanna Furmankiewicz - University of Wrocław Poland

Energy, Emissions, & Air Quality
ISC Optimizes Cleaning Process in the Rail Industry
Scott Arnold, Tim Koziatek & Chris Dooley - ISC - A DMP Corporation
Stationary Air Source Compliance: Emergency Generators
Jeffrey Barwick - Norfolk Southern Railway
Tony Jabon - Trinity Consultants

Environmental Analytical Issues
Application of the Ultra-Violet Optical Image Profiler (OIP-UV) at Petroleum Spill Sites for Characterization and Optimized Remediation Design
John Fontana - Vista GeoScience
TOP Assay, Years of Lessons Learned
Charles Neslund - Eurofins Lancaster Laboratories Environmental

Environmental Response
Deployment of Digital Geospatial Solutions to Provide Real-time Field Data During Union Pacific Railroad’s Salton Sea Mud Pot Emergency Response
Steve Cheney & Kevin Rice - Union Pacific Railroad
Chris Powers & Shannon Gonzales - Jacobs
Environmental Impact of Non-Hazardous Materials on Rail Operations
Glen Rudner - Norfolk Southern Railway

Incorporating Railroad Response Scenarios into Area Contingency Plans
Gabrielle McGrath - RPS

Managing Liability on Railroad Projects and Emergency Responses
Dave Patten - Norfolk Southern Railway

Passenger Rail & Transit
Navigating the Maze of Asbestos-Containing Materials Licensing in New York City and State
Margaret Halasnik - GEI Consultants, Inc
NJ TRANSIT’s Use of Mobile App to Expedite Facility Environmental Compliance Audit
John Geitner - New Jersey Transit Corporation
Mittul Patel - BEM Systems, Inc

Remediation
Geochemical Analysis for Identification of Secondary Sources of Nutrient Contamination at a Legacy Fertilizer Spill Site
Matthew Adkins - CSX Transportation, Inc
Sandy Conard, Andrew McManus & Janette Wilson - Arcadis U.S., Inc

Risk & Liability Management
Former Beacon Park Railyard, Demolition & Disposal of Physical Improvements for Property Transfer
William Parry & Coley Campbell - CSX Transportation, Inc
Roy Stancil & Robert McKeever - AECOM

Stormwater & Wastewater
A Unique Environmental Problem at a Railyard Yields a Unique Solution
Robert Stolt - AECOM
Christopher Beranek - Norfolk Southern Railway
Best Management Practices to Improve Industrial Stormwater Quality at a Fertilizer Terminal Facility
Brian Zacker - CSX Transportation, Inc
Anthony Hoffman - Gannett Fleming, Inc
The Story of Ballast in Maryland
William Parry - CSX Transportation, Inc
Daniel Ley & Noelle Slater - Arcadis U.S., Inc

Sustainability
Turning the Tides - Flood Resilience for Above and Below Ground Flood Risk at Aquarium Station
Julie Eaton - Weston & Sampson Engineers, Inc
Andrew Brennan - Massachusetts Bay Transportation Authority
Resilience Risk Analysis for Railroads - Practices not Paper, Tools not Tasks
Michael Bilney - Cardno
2019 Planning Committee

Meaghan Atkinson  
CSX Transportation, Inc
Christopher Barkan  
University of Illinois
Betsy Beauchamp  
EuroFins
François Beaudoin  
Golder Associates
Kelly Blanchard  
Tetra Tech
Erin Bushby  
Wood
Craig Caldwell  
Amtrak
Michael Clift  
BNSF Railway
Jay Diebold  
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HDR Engineering, Inc
Jeffrey LaRock  
TRC
Matt Laub  
AECOM
Leroy Leonard  
Geosyntec Consultants

Jay Martin  
Wood
Joanne Maxwell  
Amtrak
Lance Meister  
Cross-Spectrum Acoustics, LLC
Bryan Naranjo  
Norfolk Southern Railway
Chris Oakes  
Norfolk Southern Railway
Luanne Patterson  
CN Railway
Kevin Peterburs  
Union Pacific Railroad
Ken Richardson  
Arcadis U.S., Inc
Ken Rose  
OmniTrax
Sam Ross  
CSX
Gary Rozmus  
GEI Consultants
Joshua Sales  
Kennedy Jenks
Martina Schlauch Jones  
Arcadis U.S., Inc
Devin Sprinkle  
CN Railway
Leo Thorbecke  
TRC Companies, Inc
Lara Thurn  
AECOM
Bob Toy  
Union Pacific Railroad
John Williams  
Pace Analytical Services
Joseph Williams  
Norfolk Southern Railway

Save the Date - 2020 RREC

27-28 October 2020
Be sure to visit our Exhibitors in Illini Rooms BC & the South Lounge.

AECOM
Antea Group
Arcadis U.S., Inc
BELFOR Environmental
Cascade Drilling
CEE at Illinois
Century Group
Chase Environmental Group, Inc
Clean Harbors/Safety-Kleen
Dewberry
Directional Technologies, Inc
E-Tank, Ltd/E-Pump
EA Engineering, Science, and Technology, Inc, PB
Elastec, Inc
Encamp
Environmental Remediation Services, Inc
Environmental Standards, Inc
Environmental Works, Inc
Enviroserve
Eurofins TestAmerica
Gannett Fleming, Inc
GEI Consultants, Inc
Geosearch
Geosyntec Consultants
GHD
Global Risk Solutions, Inc
Golder

HalenHardy, LLC
Haz-Mat Response, Inc
HDR
HEPACO
Hulcher Services, Inc
ICF
J.F. Brennan Company, Inc
Jacobs
JRW Bioremediation, LLC
Mercer International, Inc
Miller Environmental Group, Inc
Moran Environmental Recovery
NRC Environmental Services, Inc
Oil Skimmers, Inc
Pace Analytical
PeroxyChem
Pinnacle Engineering
Polystar, Inc
Ramboll
Redox Technology Group, LLC
Response Management Services
S&S Technical, Inc
Specialized Professional Services, Inc
TRC Companies, Inc
US Ecology
Vista GeoScience
Wood