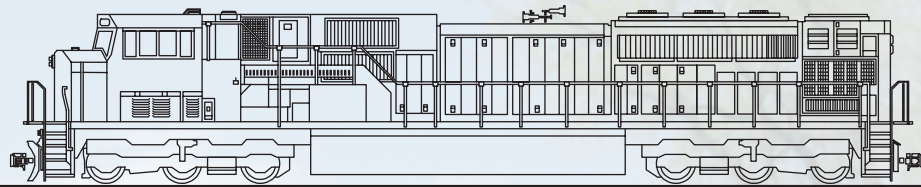


# 16<sup>th</sup> RAILROAD ENVIRONMENTAL CONFERENCE



28-29 OCTOBER 2014

## PROGRAM



ASSOCIATION  
OF AMERICAN  
RAILROADS



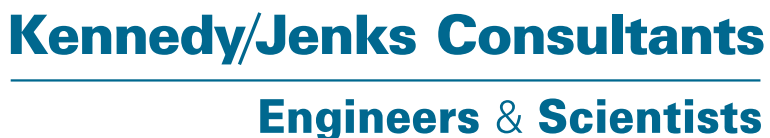
The Railway Association of Canada

# SUPPORTERS 2014

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Their financial support is an essential component in making this event a success.

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## Conference Overview and Featured Events

### MONDAY, OCTOBER 27TH, 2014

Exhibitor set-up 1:00pm -5:00pm Illini Room B

### TUESDAY, OCTOBER 28TH, 2014

Continental Breakfast 7:00am - 9:00am Illini Room B  
Registration Open 8:00am - 5:00pm Illini Lobby  
Presentation Sessions 8:15am - 11:50am Illini Room A & 314  
Luncheon 11:50am - 1:30pm Ballroom - 2nd Floor  
Presentation Sessions 1:30pm - 5:10pm Illini Room A & 314  
Reception/Poster Presentations 5:15pm - 6:45pm South Lounge  
**AREMA COMMITTEE 13 BANQUET\*** 7:15pm Ballroom - 2nd Floor

Banquet Speaker:

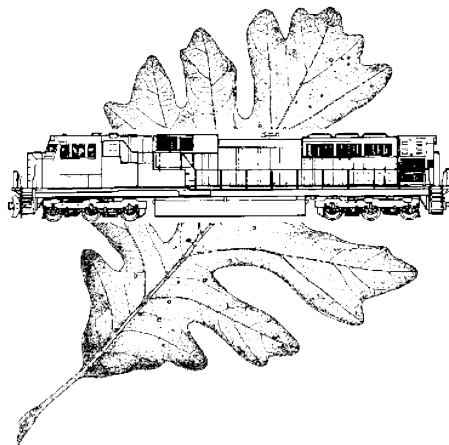
**Grete Bridgewater - Canadian Pacific Railway** 8:00pm

### WEDNESDAY, OCTOBER 29TH, 2014

**AREMA** Committee 13 meeting 7:00am - 8:00am Room 210  
Continental Breakfast 7:00am - 9:00am Illini Room B  
Registration Open 7:00am - 5:00pm Illini Lobby  
Presentation Sessions 8:00am - 11:50am Illini Room A & 314  
Luncheon 11:50am - 1:30pm Ballroom - 2nd Floor  
Presentation Sessions 1:30pm - 5:35pm Illini Room A & 314  
Adjourn 5:35pm  
Exhibitor Breakdown 5:15pm - 7:30pm Illini Room B  
**AREMA** Committee 13 Trivia Night\*\* 7:00pm Murphy's Pub

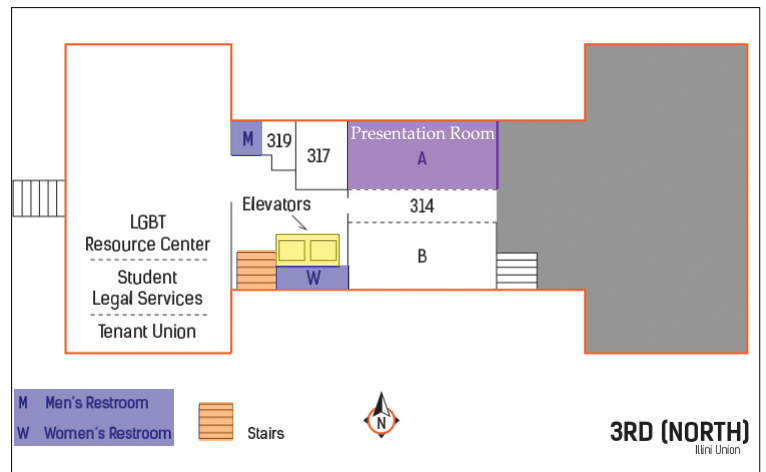
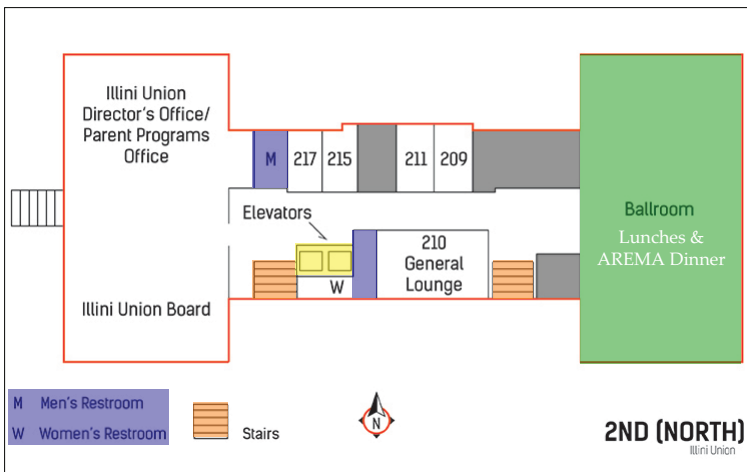
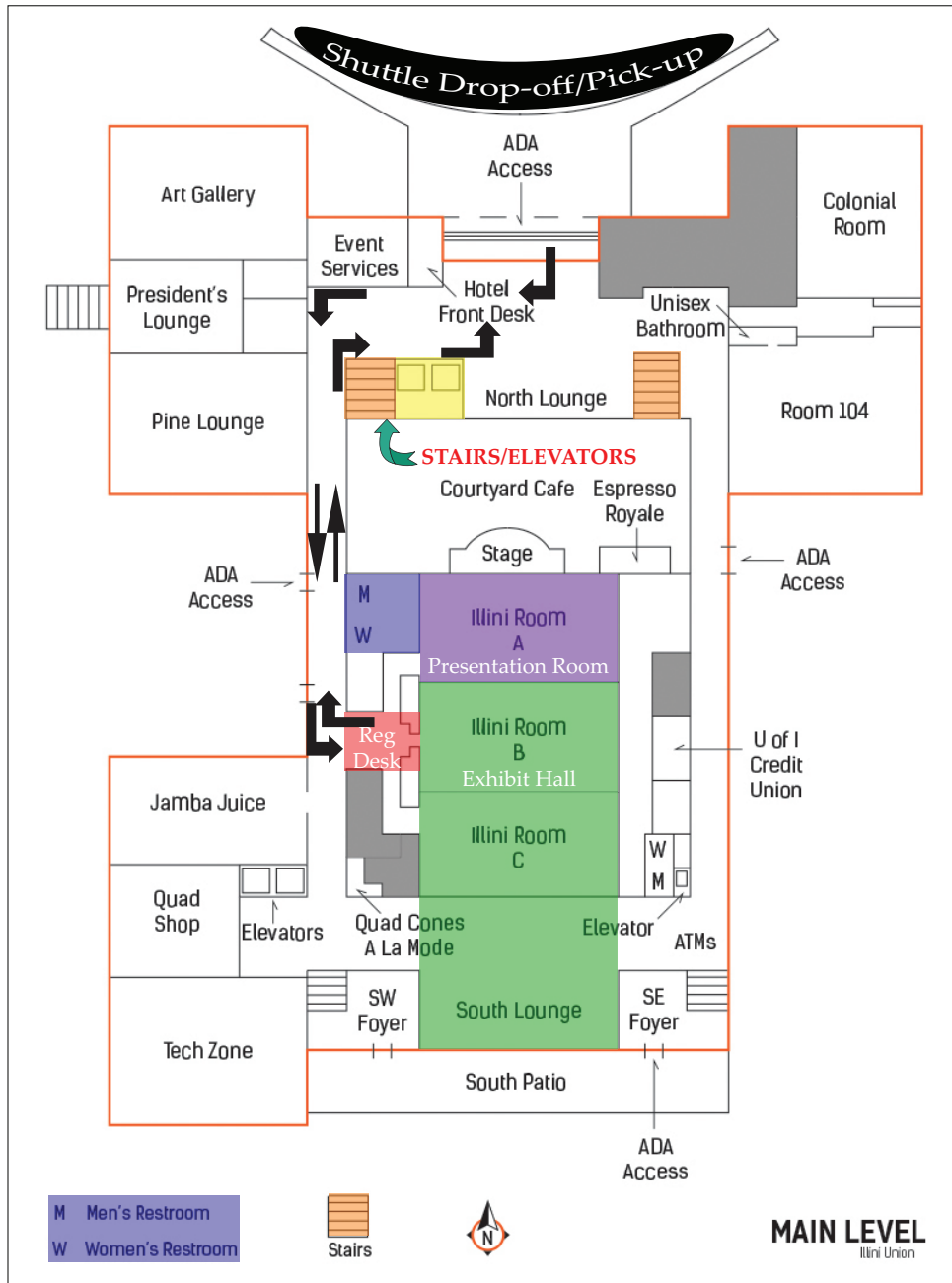
\*Advance registration needed for AREMA banquet

\*\*See Page 15 for more details



For Conference Schedule & Abstract Summaries go to:

**[tinyurl.com/2014RREC](http://tinyurl.com/2014RREC)**



# Spoken Presentations - Tuesday 28 October

Illini Room A		Room 314	
<p align="center"><b>Plenary Session</b> Moderator: Don Girard - BNSF Railway</p>			
8:15	<p><b>Welcome and Introduction</b> Christopher Barkan - University of Illinois at Urbana-Champaign</p>		
8:25	<p><b>Improving Compliance &amp; Reducing Liability Through Employee Awareness</b> Kimberly Vaughn - CSX Transportation, Inc Ray Hays - PRC Digital Media</p>		
8:50	<p><b>Environmental Issues Affecting the Association of American Railroads and North American Rail Industry</b> Robert Fronczak - Association of American Railroads</p>		
9:15	<p><b>Re-thinking Risk: Establishing a More Comprehensive View of Environmental Risk in the Age of the Internet</b> Domonic Lees - BNSF Railway</p>		
9:40	<p><b>CSX Curtis Bay Piers - Intelligent Stormwater Management to Achieve Zero Discharge</b> Scott Landers - Geosyntec Consultants John C. Calhoun - CSX Transportation, Inc</p>		
10:05	<p><b>A Framework for Sustainable Remediation Applied at a 100-Acre Railroad Remediation Site</b> Currie Mixon &amp; Scott Keating - GEI Consultants, Inc C. Russell McDaniel - Norfolk Southern Railway</p>		
10:30	BREAK - Illini Room B		
<p align="center"><b>Risk &amp; Liability Management</b> Moderator: Stella Karnis - CN Kevin Keller - HDR</p>		<p align="center"><b>Sustainability</b> Moderator: Martina Jones - ARCADIS</p>	
10:50	<p><b>Research of Inactive Wells along Railroad Rights-of-Way using Historical Interstate Commerce Commission Records</b> Craig Larson - AECOM Scott Zurn - Canadian Pacific Davidson Ward - RL Banks and Associates</p>	<p><b>Modernizing a Historic Mode of Transportation</b> W. Troy Neisz &amp; Lucien Tender - AMEC Environment &amp; Infrastructure, Inc Keith Brinker - CSX Transportation, Inc D. Dale Dowling - Breedlove, Dennis &amp; Associates, Inc</p>	
11:10	<p><b>Closure Strategies for Legacy Environmental Sites</b> Leroy Leonard &amp; Duane Graves - Geosyntec Consultants David Patten, L. Christopher Oakes &amp; Steven Aufdenkampe - Norfolk Southern Railway</p>	<p><b>Sustainability at Amtrak: From Policy to Program</b> Celia Ann Pfleckl &amp; Joanne Maxwell - Amtrak</p>	
11:30	<p><b>Managing Continuing Obligations Associated with Contaminated Site Closure using a GIS</b> Andrew Mott, Sarah LeMoine &amp; Dennis Lawton- AECOM Maura Matthews &amp; Yves Decoste - CN</p>	<p><b>Environmental Assessment of Rail Infrastructure in Illinois</b> Ning Ai, Marcella Bondie, Anthony Grande, Shuo Ma &amp; Shi Yin - University of Illinois at Chicago</p>	
11:50	<p>LUNCH - Illini Union Ballroom (2nd Floor) AAR Environmental Excellence Award Robert Fronczak - Association of American Railroads</p>		
<p align="center"><b>Risk &amp; Liability Management (cont.)</b></p>		<p align="center"><b>Stormwater &amp; Wastewater</b> Moderator: Melissa Godlewski - Kennedy/Jenks Consultants Russ McDaniel - Norfolk Southern</p>	
1:30	<p><b>Facility Decontamination, Demolition and Decommissioning; How to Maximize Assets, Identify Costs and Minimize Risks</b> Michael Kraeski - Environmental Resources Management Matt Graham - BNSF Railway</p>	<p><b>Corbin Wastewater Treatment Facility</b> Scott Menniti - Geosyntec Consultants John C. Calhoun - CSX Transportation, Inc</p>	

## Spoken Presentations - Tuesday 28 October - Continued

Illini Room A		Room 314	
Risk & Liability Management (cont.)		Storm Water & Waste Water (cont.)	
1:50	<b>Determination of Environmental Liability Costs During Railway Divestitures in Canada</b> <i>Tim D. Westgate - AMEC Environment &amp; Infrastructure, Inc</i> <i>Paul J. Kurzanski &amp; Daniel S. Dyer - CSX Transportation, Inc</i>	<b>Development and Implementation of Corporate Storm-water and Wastewater Standards - Canadian Pacific</b> <i>Ted Bailey - Aureus Solutions Inc</i>	
2:10	<b>Proposed EPA Changes in the Toxicological Assessment of Benzo(a)pyrene and the Potential Impact on Corrective Actions at Railroad Sites</b> <i>Brian Magee - ARCADIS</i>	<b>Defining All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (AKART) for Industrial Stormwater</b> <i>Ross Dunning - Kennedy/Jenks Consultants</i>	
2:30	<b>Managing Environmental Risks When Third-Parties Seek Access to Your Site</b> <i>John Gullace - Manko, Gold, Katcher &amp; Fox, LLP</i> <i>William Parry &amp; Julia B. Herron - CSX Transportation, Inc</i> <i>Michael T. Feamster - ENVIRON International Corp</i>	<b>Amtrak Best Practices in Implementation of Current Storm Water Program in Southern California and Effect of New California Industrial Permit</b> <i>Maheshwar Mettu - AMEC Environment &amp; Infrastructure, Inc</i>	
2:50	<b>Risk and Liability Management at Kansas City Southern de Mexico</b> <i>Timothy Wippold - ARCADIS</i> <i>Carl Akins &amp; Miguel Antonio Flores Puente - Kansas City Southern</i>	<b>Challenges of Handling Storm Water Runoff through Municipal Sewer Systems</b> <i>Gaymeon Gibson - Norfolk Southern Railway</i> <i>Mark Neal - Cardno MM&amp;A</i>	
3:10	<b>Keeping your Eye on a Moving Target - Effective Risk Management Approaches for Emerging Contaminants</b> <i>Shalene Thomas - AMEC Environment &amp; Infrastructure, Inc</i>	<b>Waste Reduction through Innovative Sludge Dewatering</b> <i>Stuart Boykin - CSX Transportation, Inc</i> <i>Donnie Seward - AECOM</i>	
3:30	BREAK - Illini Room B		
<b>Environmental Response &amp; Emergency Planning</b> <b>Moderator: Daniel Dyer - CSX Transportation, Inc</b>		<b>Storm Water &amp; Waste Water</b> <b>(cont.)</b>	
3:50	<b>"Conflagration, Collaboration and Corrective Action" - Early Community Engagement, Multi-Disciplinary Teamwork and Innovative Decision-making Leads to Rapid and Effective Emergency Response to the Rose-dale, MD Derailment &amp; Explosion</b> <i>Megan Kellner &amp; Dave Polter - ARCADIS</i> <i>S. Michael Austin &amp; Paul Kurzanski - CSX Transportation, Inc</i>	<b>How to train your OWS Dragon!</b> <i>T. Chris Evenson - ARCADIS</i>	
4:10	<b>Characterization and Remediation of Lac-Mégantic</b> <i>François Beaudoin &amp; Denis Millette - Golder Associates, Ltd</i>	<b>Rags To Riches: Transforming A USEPA CERCLA Hazardous Waste Site Into A Wildlife Habitat</b> <i>Anthony Hoffman, Ronald Leins &amp; Todd Falkner - Gannett Fleming, Inc</i> <i>Paul Kurzanski - CSX Transportation, Inc</i>	
		<b>Environmental Planning of Passenger &amp; Freight Rail Projects</b> <b>Moderator: Joanne Maxwell - Amtrak</b>	
4:30	<b>Implementing Preventative Measures to Resolve a Violation Notice - A Collaboration of Multiple Railroad Departments</b> <i>Kevin Peterburs - ARCADIS</i> <i>John Hasterlo &amp; Geoff Reeder - Union Pacific Railroad</i>	<b>Comparison of Passenger Train Energy Consumption with Competing Modes</b> <i>Giovanni C. DiDomenico &amp; C. Tyler Dick - University of Illinois at Urbana-Champaign</i>	
4:50	<b>Use of Hydrology and Hydraulics to Support Environmental Response at a Derailment Site</b> <i>Dilan Singaraja &amp; Ryan Sheppard - Conestoga-Rovers &amp; Associates</i> <i>Jeffrey Peister - Canadian Pacific Railway</i>	<b>Leveraging Transit Lines and Properties for Community Revitalization: A NJ TRANSIT and City of Paterson Partnership</b> <i>Ileana Ivanciu &amp; Charles Stebbins - Dewberry</i> <i>John Geitner - NJ Transit</i>	
5:15	Poster Presentation Reception - South Lounge		

# Spoken Presentations - Wednesday 29 October

7:00	<b>AREMA Committee 13 Meeting (Room 210)</b> <b>Illini Room A</b> <i>Plenary Session</i> <i>Moderator: Robert Fronczak - Association of American Railroads</i>	<b>Room 314</b>
8:00	<b>Sustainability Panel</b> <i>Chantale Després - CN</i> <i>Mike Lunsford - CSX Transportation, Inc</i> <i>Craig Caldwell - Amtrak</i> <i>Mark Reimers - Union Pacific Railway</i>	
9:50	<b>BREAK - Illini Room B</b>	
	<i>Remediation - General</i> <i>Moderator: Jay Diebold - Golder Associates, Ltd</i> <i>Geoff Reeder - Union Pacific Railroad</i>	<i>Energy, Emissions &amp; Air Quality</i> <i>Moderator: Ryan Mills - BNSF Railway</i> <i>Kenneth Richardson - ARCADIS</i>
10:10	<b>Improving the Efficiency of an Existing Groundwater Remediation System</b> <i>Aimee Zack &amp; LeeAnn Thomas - Canadian Pacific</i> <i>Heather Lin, Chris Munson, Barbara Johnson, Jim Su,</i> <i>P. Steve Finn &amp; Claire Mackler - Golder Associates, Ltd</i>	<b>Utility Management</b> <i>Jim Brannen - Union Pacific Railway</i>
10:30	<b>Natural and Enhanced Attenuation of a Comingled Carbon Tetrachloride and Trichloroethene Plume: Field Observations and Microcism Studies</b> <i>L. Christopher Oakes - Norfolk Southern Railway</i> <i>Raymond Vaske - URS Corporation</i> <i>Frank Loffler &amp; Yi Yang - University of Tennessee</i>	<b>Operational Considerations of Transitioning to Ultra-Low Emission Locomotive Technologies for Line-Haul Freight Rail Applications</b> <i>Garrett Fullerton &amp; C. Tyler Dick - University of Illinois at Urbana-Champaign</i>
		<i>Noise &amp; Vibration</i> <i>Moderator: Lance Meister - Cross-Spectrum Acoustics, LLC</i> <i>Hugh Perry - CSX Transportation, Inc</i>
10:50	<b>In Situ Chemical and Biological Treatment of TCE in Groundwater at a Legacy Railroad Site</b> <i>Vibhav S. Mankad &amp; Nathan Diem - Conestoga-Rovers &amp; Associates</i> <i>Lauren Mancuso - Union Pacific Railroad</i>	<b>Mitigating Multi-Source Noise Conditions at Hump Yards</b> <i>Stuart Boykin - CSX Transportation, Inc</i> <i>Donnie Seward - AECOM</i>
11:10	<b>Collaboration for Environmental Remediation in Active Rail Areas</b> <i>Paul J. Kurzanski - CSX Transportation, Inc</i> <i>Sandy Conard, Janette D. Wilson &amp; Andrew T. McManus - ARCADIS</i>	<b>The Use of GIS in Rail Noise Modeling</b> <i>Ahmed El-Aassar - Gannett Fleming, Inc</i>
		<i>Environmental Analysis</i> <i>Moderator: John Williams - Pace Analytical Services, Inc</i>
11:30	<b>A Derailment Legacy: Cleaning Up Hexavalent Chromium Using Emulsified Vegetable Oil</b> <i>Bonani Langan &amp; James A. Bennett - AMEC Environment &amp; Infrastructure, Inc</i> <i>Matthew L. Adkins - CSX Transportation, Inc</i>	<b>Management of In-Situ Chemical Oxidation Using Compound Specific Isotope Analysis</b> <i>Robert Pirkle &amp; Patrick W. McLoughlin - MicroSeeps, a division of Pace Analytical Energy Services</i> <i>Matt Burns - WSP Environment and Energy</i>
11:50	<b>LUNCH and Supporter Acknowledgement</b> <b>- Illini Union Ballroom (2nd Floor)</b>	
	<i>Remediation Specific</i> <i>Moderator: Riaz Ahmed - TRC Solutions</i>	<i>Environmental Analysis (cont.)</i>
1:30	<b>Innovative use of a CN Sustainability Tool for Stakeholder Engagement on a Complex Remediation Project</b> <i>Stefano Marconetto, Tim Robertson &amp; Phil Moddle - Golder Associates, Ltd</i> <i>Stella Karnis - CN</i>	<b>Carousel of Progress: Progression of Data Management Techniques throughout the Lifecycle of Investigative and Remedial Actions at a Former Railroad Foundry</b> <i>Andrea Brazell - GEI Consultants, Inc</i> <i>C. Russell McDaniel - Norfolk Southern Railway</i>



## Spoken Presentations - Wednesday 29 October - Continued

Illini Room A		Room 314	
<b>Remediation Specific</b> <i>Moderator: Riaz Ahmed - TRC Solutions</i>		<b>Environmental Analysis</b> <i>(cont.)</i>	
1:50	<b>Remediation and Restoration of the Lac-Mégantic, Québec Oil Train Disaster</b> <i>Bruce Noble - AECOM</i>	<b>What's in a Number? Understanding Analytical Data Uncertainty, Reporting, and Data Qualification</b> <i>Ann Bernhardt - AMEC Environment &amp; Infrastructure, Inc</i> <i>Paul Kurzanski - CSX Transportation, Inc</i>	
2:10	<b>Building a New Railroad Track Through a Superfund Site</b> <i>Kevin Peterburs &amp; Ali Wright - ARCADIS</i> <i>Geoff Reeder - Union Pacific Railroad</i>	<b>Lost in the Cloud? There's an App for That</b> <i>David McConaughy - Locus Technologies</i>	
2:30	<b>Recent Success Achieving Regulatory Closure of Low Profile Spills at CSXT Rail Yards in Western NY</b> <i>Ben Girard - ARCADIS</i> <i>William Parry - CSX Transportation, Inc</i>	<b>When Less is More; Data Reduction as an Approach to Effective Data Management Strategy and Analysis</b> <i>Shalene Thomas &amp; Emma Driver - AMEC Environment &amp; Infrastructure, Inc</i>	
<b>Compliance</b> <i>Moderator: Leo Thorbecke - AECOM</i>		<b>Compliance</b> <i>Moderator: Leo Thorbecke - AECOM</i>	
2:50	<b>Use of Ground Penetrating Radar (GPR) to Locate Contaminant Beneath Railroad Track</b> <i>James Hyslip - HyGround Engineering</i> <i>L. Christopher Oakes &amp; C. Russell McDaniel - Norfolk Southern Railway</i>	<b>Dragonfly Interactions with Rail Traffic vs. Roadway Traffic: a Comparison near Habitat of the Endangered Hine's Emerald Dragonfly</b> <i>Brian Smith, Matthew Hildreth &amp; Lori VanderKam - AECOM</i> <i>Devin Sprinkle - CN</i>	
3:10	BREAK - Illini Room B		
<b>Remediation - NAPL</b> <i>Moderator: Chuck Cline - Cardno</i>		<b>Compliance</b> <i>(cont.)</i>	
3:30	<b>GIS-based Method for High-resolution Mapping of LNAPL Plume Transmissivity, Recoverability and Longevity: Case Study at CSXT Stadium Project</b> <i>Peter Guerra &amp; Marie Dowd- AMEC Environment &amp; Infrastructure, Inc</i> <i>Sorab Panday - GSI Environmental, Inc</i> <i>Ravindra Dwivedi - University of Arizona</i> <i>Paul Kurzanski - CSX Transportation, Inc</i>	<b>The Trouble with Towers</b> <i>Kevin Keller &amp; Aubyn Williams - HDR</i> <i>Keith Brinker - CSX Transportation, Inc</i>	
3:50	<b>Innovative In-Well Oil/Water Separator for LNAPL Recovery</b> <i>Stewart A. Emhof - ERM</i> <i>Matt Graham - BNSF Railway</i>	<b>Cultural Resources Clearance – Always Expect the Unexpected. CSXT Inspection Yard Project, Casky, KY</b> <i>Marty Marchaterre, Mary Motte Fikri &amp; Rich Stallings - AMEC Environment &amp; Infrastructure, Inc</i> <i>Keith Brinker - CSX Transportation, Inc</i>	
4:10	<b>How to Remediate a Tie Treating Plant with an Active NAPL Discharge without Long-Term Operations and Maintenance</b> <i>Jeff Gentry &amp; Tom Hutchinson - CH2M HILL</i> <i>Geoff Reeder - Union Pacific Railroad</i>	<b>Does Your Rail Yard Really Need a Facility Response Plan?</b> <i>James Cunningham - BNSF Railway Company</i> <i>Peter T. Masson - Congestoga-Rovers &amp; Associates, Inc</i>	
4:30	<b>Insights into NSZD Rate Measurements of LNAPL</b> <i>Keith Piontek, Keith Woodburne &amp; Jason Leik - TRC Solutions</i> <i>Scott MacDonald - BNSFRailway</i>	<b>Understanding Changes to the Fisheries Act and the Impact on Rail Industry Projects</b> <i>Laura Lawlor - Conestoga-Rovers &amp; Associates</i> <i>France Moreau - CN</i>	
4:50	<b>Longevity Analysis Using LNAPL Distribution and Recoverability Modeling</b> <i>Trevor Andrews &amp; Morgan Bruno - CH2M HILL</i> <i>Gary Honeyman - Union Pacific Railroad</i>	<b>Utilization of an Environmental Management Information System for an Environmental Auditing Program</b> <i>Eric Chang - Norfolk Southern Railway</i>	
5:10		<b>Fueling System Compliance – Inspect, Report, Repair and Maintain for Efficiency</b> <i>John Hasterlo - Union Pacific Railroad</i> <i>Christopher Gunn &amp; Craig Schellbach - TRC</i>	
5:35	ADJOURN		

### Compliance

**1. Challenges of Replacing or Repairing Railroad Assets in Sensitive Areas. CSXT Culvert Outfall Repair Project, Cumberland, MD**

*W. Troy Neisz & Lance Rasnake - AMEC Environment & Infrastructure, Inc  
Paul Kurzanski - CSX Transportation, Inc*

**2. Compliance Challenges in Meeting the EPA Area Source Boiler MACT Rule with 59-Year Old Coal-Fired Boilers**

*Bill Wagner - Norfolk Southern Railway  
Kevin Jameson - AMEC Environmental & Infrastructure, Inc*

**3. General Secondary Containment for Above-Ground Fuel Piping**

*Lara Thurn - AECOM  
David Warchol - Norfolk Southern Railway*

### Environmental Analytical Issues

**4. The Use of LVI in Environmental Analysis to Meet Project Goals: Advantages and Pitfalls**

*Charles Neslund - Eurofins Lancaster Laboratories Environmental*

### Environmental Response & Emergency Planning

**5. Maintaining the Confidentiality of Information During an Emergency Response: Your Counsel May Be Your Best Friend**

*Christopher D. Ball - Manko, Gold, Katcher & Fox, LLP*

**6. Shoreline Cleanup and Assessment Technique**

*Matthew Stokes - Safety Training and Response Strategies*

**7. Working Collaboratively to Rapidly Respond to a Leaking Underground Fuel Line at an Active Intermodal Facility**

*Thomas Wurzinger - Geosyntec Consultants*

**8. Fight Fire with Teamwork**

*Michael J. DeLong - AMEC Environmental & Infrastructure, Inc  
Daniel Dyer - CSX Transportation, Inc*

### Remediation

**9. Field Performance of In Situ Geochemical NAPL Stabilization**

*Jim Mueller - FMC Corporation*

**10. Coupling Oxidative and Reductive Treatment Technologies for Integrated Site Remediation to Overcome Site Challenges**

*Stephanie Turkot - Geo-Cleanse International, Inc*

**11. Effective Field Screening Techniques to Delineate Arsenic Impacted Soil and Reduce Assessment Time and Costs**

*John Spencer - Geosyntec Consultants  
Samuel Ross - CSX Transportation, Inc*

### Risk and Liability Management

**12. Know your Aroclor! PCBs in Building Materials and Relevance to the Railroad Industry**

*Frank Ricciardi & George Naslas - Weston & Sampson*

**13. Proposed Revisions to Louisiana Department of Environmental Quality Risk Evaluation/Corrective Action Program – RECAP 2014**

*Lance Fontenot - ARCADIS*

**14. Refining a Consent Order Boundary: Benefits to Responsible Parties and the Community**

*Ali Wright - ARCADIS*

**15. Review and Recommendations for TCE Short-Term Action Levels in Indoor Air**

*Laura Trozzolo - TRC*

**16. Natural Resource Damages Assessment - Are You at Risk?**

*Amy Essig Desai - Farallon Consulting, LLC*

**17. Decommissioning and Demolition Contracting Options at a Rail Yard Operations**

*Greg Sampson - AECOM*

**18. Presentation of a Geophysical Road Map for Making More Informed Decisions about Environmental Liabilities**

*Shalene Thomas & Andri Dahlmeier - AMEC Environment & Infrastructure, Inc*

**19. EHS Best Practices for Decommissioning**

*Dean Krebs - Antea Group*

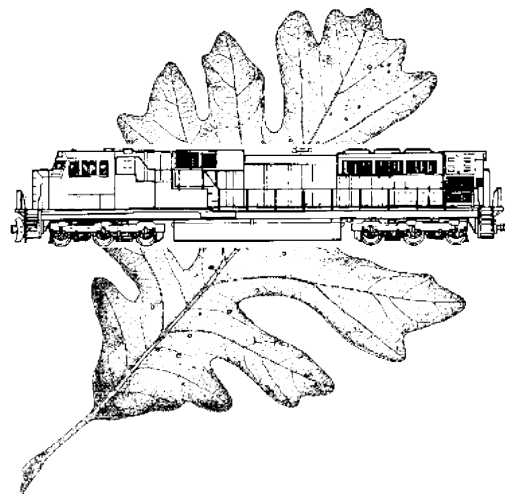
### Stormwater & Wastewater

**20. CSX Transportation Sewer Mapping and Tagging**

*Adam DeCarlo - Geosyntec Consultants*

**21. Giving Environmental Equipment a Second Life**

*Bob Stolt & Lara Thurn - AECOM  
David Warchol - Norfolk Southern Railway*



For Conference Schedule & Abstract Summaries go to:

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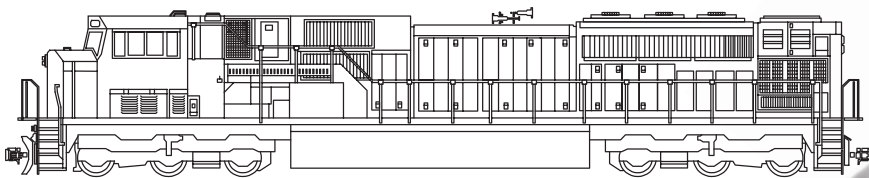
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RREC 2015 - Save the Date

# 17<sup>th</sup> RAILROAD ENVIRONMENTAL CONFERENCE



*Save the Date*  
**OCTOBER 27-28, 2015**

## Champaign/Urbana Recommended Restaurant List

### Alexanders Steakhouse \$\$

202 W. Anthony Dr., Champaign, IL 61820  
217-359-1789

Take Green St. West to Neil St. Turn right.  
Vear right on Walnut St.  
Turn left on E. Washington St.  
Turn right on Neil St.  
Turn left on Anthony Drive.  
On right hand side.

### Bacaro \$\$\$

*(Italian - Fine Dining)*

113 N Walnut St., Champaign, IL 61820  
217-398-6982

Take Green St. West to Neil St.  
Turn right.  
Bear right on Walnut St.  
On left hand side.

### Biaggi's Ristorante Italiano \$\$

2235 S Neil St., Champaign, IL 61820  
217-356-4300

Take Green St. West to Neil St. Turn left.  
About 2 miles down on right hand side.

### The Big Grove Tavern \$\$

*(Midwestern Craft Cuisine)*

1 E. Main St, Champaign, IL 61820  
217-239-3505

Take Green St. West to Neil St.  
Turn right.  
Bear right on Walnut St.  
Turn left on Main St.  
On right hand side.

### Black Dog Smoke & Ale House \$\$

*(Casual Bar)*

201 N Broadway Ave., Urbana, IL 61801  
217-344-9334

Green St. East to Lincoln Ave. Turn left.  
Turn right on University Ave.  
Turn right on Broadway Ave.  
On right hand side.

### Courier Cafe \$\$

111 N Race St, Urbana, IL 61801  
217-328-1811

Take Green St. East to Lincoln Ave.  
Turn left.  
Turn right onto W Springfield Ave.  
Turn left onto N Race St.  
On left hand side.

### Destihl \$\$\$

*(Gastrobrewpub)*

301 N. Neil St, Champaign, IL 61820  
217-356-0301

Take Green St. West to Neil St. Turn left.  
About 2 miles down on left hand side.

### Escobar \$\$

*(Native Latino)*

6 E Columbia Ave., Champaign, IL 61820  
217-352-7467

Take Green St. West to Neil St. Turn right.  
Bear right on Walnut St.  
Turn left on Columbia.  
On right hand side.

### Great Impasta \$\$

*(Italian)*

156 Lincoln Sq # D, Urbana, IL 61801  
217-359-7377

Green St. East to Busey Ave. Turn left.  
Turn right on W. Elm St.  
Turn right on S. Broadway Ave.  
Turn left at Lincoln Square.  
On right hand side.

### Kofusion \$\$\$

*(Asian - Sushi)*

1 E Main St # 104, Champaign, IL 61820  
217-531-1166

Take Green St. West to Neil St. Turn right.  
Bear right on Walnut St.  
Turn left on E. Main St.  
On right hand side.

### Radio Maria \$\$\$

*(Cajun/Spanish)*

119 N Walnut St., Champaign, IL 61820  
217-398-7729

Take Green St. West to Neil St.  
Turn right.  
Vear right on Walnut St.  
On left hand side.

### Silvercreek \$\$

*(Casual fine dining)*

402 N Race St., Urbana, IL 61801  
217-328-3402

Take Green St. East to Lincoln. Turn left.  
Turn right on W. University Ave.  
Turn right on N. Race St.  
On left hand side.

## Useful Locations

### Kinkos

613 South Wright St.  
Champaign, IL 61820  
217-344-2085

### Walgreens

407 East Green St.  
Champaign, IL 61820  
217-344-0121

### Expresso Royale Cafe

Illini Union Courtyard Cafe  
217-333-7106

### Cocomero (frozen yogurt)

709 South Wright St.  
Champaign, IL 61820  
217-328-3888

### Starbucks

503 E Green St.  
Champaign, IL 61820  
217-344-8613

### Illini Union Bookstore

809 South Wright St.  
Champaign, IL 61820  
217-333-2050

### T.I.S. Bookstore

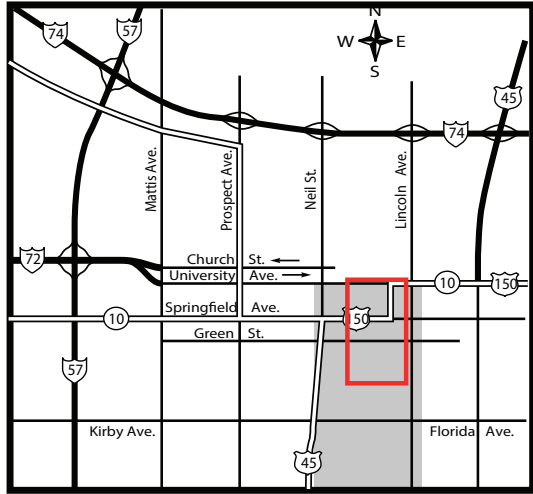
707 South Sixth St.  
Champaign, IL 61820  
217-337-4900

## Wireless Internet

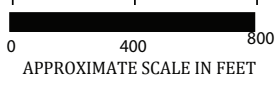


- Choose the "UIpublicWiFi" wireless network.
- Open a web browser and go to a web site.
- Fill out registration form. The University is legally required to collect information from you to provide you with network access.
- When you open a web browser and enter a web site such as [www.illinois.edu](http://www.illinois.edu) (external link), your web browser will be redirected to the UI Public Wireless authentication site, where you are asked to agree to the Terms of Use.
- UI Public Wireless users can contact wireless-related technical support at 217-333-9100.

University of Illinois at Urbana - Champaign



Urbana is east, Champaign is west of Wright Street



RREC Shuttle Schedule

Between Hawthorn Suites, Hilton Garden Inn, iHotel, Hampton Inn, Urbana Plaza Hotel, and Illini Union

**Tuesday**  
**October 28th, 2014**  
 7:00 am-10:00 pm

**Wednesday**  
**October 29th, 2014**  
 7:00 am-6:00 pm

Public Parking

Please use the shuttle busses that are provided. Parking on campus is *extremely* limited.

**P** Meters are available on North & South Mathews Avenue. Please note there is a two hour time restriction. Inquire at registration desk for more information.

## Emergency Information



Dial **911** for assistance or **9-911** from a campus phone. The conference location is: Illini Union, 1401 W. Green St, Urbana, IL



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



**Fire:** Use the doors located on the west side of the building and meet on the southeast side of Altgeld Hall.

### Champaign Police Department (Non-emergency)

**POLICE**

82 East University Ave, Champaign IL  
217- 351-4545

### Urbana Police Department (Non-emergency)

**POLICE**

400 South Vine Street, Urbana IL  
217- 384-2320

### University of Illinois Urbana-Champaign Police Department (Non-emergency)

**POLICE**

1110 W Springfield Ave, Urbana IL  
217- 244-7209



### Carle Foundation Hospital

611 West Park Street, Urbana IL  
217- 383-3311

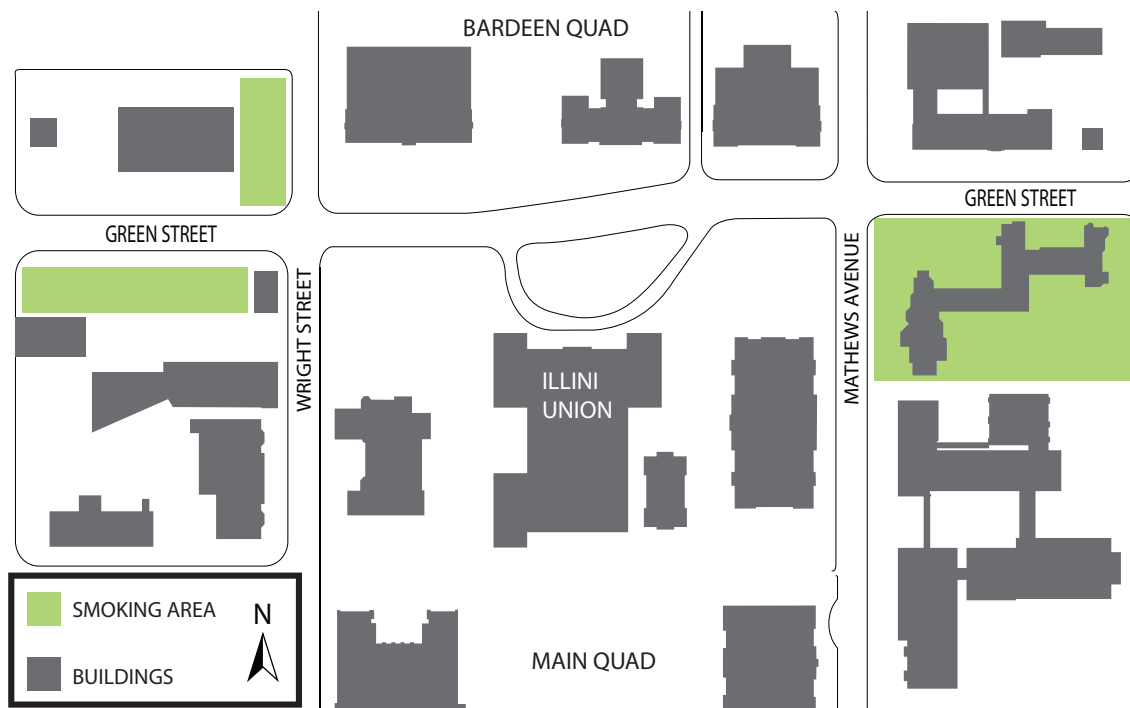


### Presence Covenant Medical Center

1400 West Park Street, Urbana IL  
217- 337-2000

## UIUC Smoke Free Campus Map

As of January 1, 2014, smoking is prohibited on all campus property at the University of Illinois at Urbana-Champaign, both indoors and outdoors, in university-owned vehicles and in privately-owned vehicles parked on campus property. Highlighted below in green are non-campus grounds where smoking is not banned.



# TRIVIA NIGHT

**Where: Murphy's Pub**  
604 E. Green Street, Champaign

**When: Wednesday Oct 29th**  
Social Hour 7pm | Trivia 8pm

**\*Food and drinks provided\***  
**TEAMS of 4-6 PEOPLE**

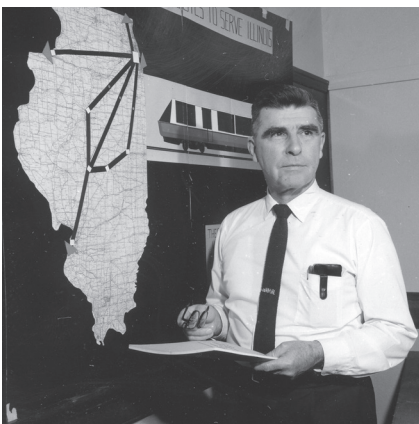
**Open to all AREMA members**  
**or sign up if you are not a member**



American Railway Engineering and  
Maintenance-of-Way Association  
Committee 13



## William W. Hay Railroad Engineering Seminars



Seminars are held 8-10 times during the academic year, generally on Fridays at noon (Central Time). They are open to all including students, faculty, staff, railroad industry and government professionals, and all interested members of the community.

To be added to the Hay Seminar emailing list, email [hayseminar@gmail.com](mailto:hayseminar@gmail.com).

A complete listing of the current (and past) seminar schedule can be found at: <http://railtec.illinois.edu/CEE/seminar.php>.

Sponsored by:



## Exhibitors

Accutest Laboratories	CTEH	ICF International
AECOM	EA Engineering	Industrial Maintenance Group, Inc
Aestus LLC	Envirocon, Inc	JRW Bioremediation
Alpha Analytics	Environ International Corporation	Marion Environmental, Inc
AMEC Environment & Infrastructure	Environmental Management Specialists	Oil Skimmers, Inc
ARCADIS US, Inc	Environmental Works, Inc	Pace Analytical Services
BELFOR Environmental	EnviroScience, Inc	PeroxyChem
Cardno	Eurofins Lancaster Laboratories	Pinnacle Engineering, Inc
Cascade Drilling	Gannett Fleming, Inc	Polystar, Inc
Century Group, Inc	GEI Consultants, Inc	Regenesis
CH2M Hill	Geo-Cleanse International, Inc	Summit Environmental Services, Inc
Chase Environmental Group	Geosyntec Consultants	SUNPRO
Clean Harbors Environmental Services	Golder Associates	SWS Environmental Services
Coleman Industrial Construction	Hatch Mott MacDonald	TestAmerica
Conestoga-Rovers & Associates	HDR Engineering, Inc	
	Hulcher Services, Inc	

## Planning Committee

Riaz Ahmed – TRC	Lance Meister – Cross Spectrum
Chris Barkan – University of Illinois	Gregg Menniti – Geosyntec
Chuck Cline – Cardno	Glenn Millner – CTEH
Spencer Cronin – EMR	Ryan Mills – BNSF
Jay Diebold – Golder	Mark Murphy – Conestoga Rovers
Dan Dyer – CSX Transportation	Chris Oakes – Norfolk Southern
Sam Farnsworth – AMEC	Geoff Reeder – Union Pacific
Robert Fronczak – Association of American Railroads	Ken Richardson – ARCADIS
Don Girard – BNSF Railway	Ken Rose – OmniTRAX
Melissa Godlewski – Kennedy Jenks	Gary Rozmus – GEI Consultants, Inc
Stella Karnis – CN	Martina Schlauch Jones – ARCADIS
Scott Keating – GEI Consultants, Inc	Hadley Stamm – ARCADIS
Kevin Keller – HDR	Leo Thorbecke – AECOM
Jay Martin – AMEC	Bob Toy – Union Pacific
Joanne Maxwell – Amtrak	John Williams – Pace Analytical
Russ McDaniel – Norfolk Southern	

## Conference Organizing Team

Chris Barkan	David Diol	Rutvi Gupta	Kaila Simpson
Jerri Lyn Beck	LB Frye	Boyan Li	Angela Stanford
Nick Buege	Collin Gress	Tom Roadcap	Emma Trapp
Trisha Chevli	Tim Gress	Kim Schlichting	

## Useful Contact Information

RREC 2014 Registration Desk	217-300-1340	iHotel	217-819-5000
Hampton Inn	217-337-1100	Illini Union Guest Rooms	217-333-3030
Hawthorn Suites	217-398-3400	Yellow Cab	217-355-3553
Hilton Garden Inn	217-352-9970	U of I Golf Courses	217-359-5613
Urbana Plaza Hotel	217-328-7900	Stone Creek Golf Club	217-367-3000

