

# TWO GREAT COURSES! TARGET FIELD

Course Venue Inside

with Evening Reception in Luxury Suite  
During Twins vs. Brewers Rivalry Showdown

An intensive two-day short course

## Fate and Transport of DNAPLs in Fractured Rock Aquifers

**June 4 & 5, 2014**  
**Minneapolis, MN**

Instructors:

**Allen Shapiro, PhD**  
National Research Program  
United States Geological Survey

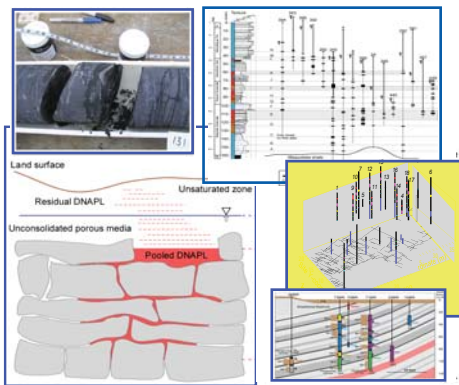
**Maureen Muldoon, PhD, PG**  
University of Wisconsin, Oshkosh

Continuing Education

**16.0 Contact Hours**

CEUs by Northern Illinois University

### Advances in Characterization, Monitoring, Remediation, and Recent Regulatory Updates



This 2-day course begins with recent updates about delineation of groundwater contamination in fractured rock aquifers through the synthesis of hydrogeologic and biogeochemical information. Although geomechanical and hydrologic conditions of each fractured rock site are unique, this course highlights the common attributes that are to be anticipated in all fractured rock sites. New and faster tools coupled with more realistic recovery objectives in fractured bedrock are impacting remedial results. Get updated on the current state of the practice along with the vision for the future of DNAPL remedial strategies.

An intensive one-day short course

## Emerging Technologies and Conceptual Approaches

**NEW COURSE!**

**June 3, 2014**  
**Minneapolis, MN**

Instructors:

**Ken Bradbury, PhD, PG**  
Wisconsin Geological and  
Natural History Survey

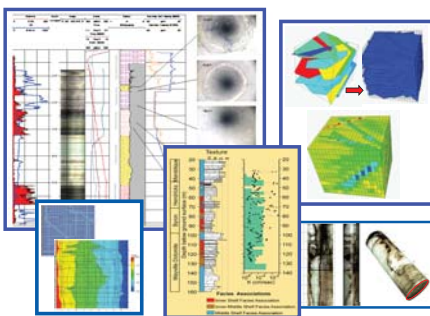
**David Hart, PhD, PG**  
Wisconsin Geological and  
Natural History Survey

Continuing Education

**6.0 Contact Hours**

CEUs by Northern Illinois University

### for Hydrogeologic Characterization of Complex Bedrock Systems



Recent advances in field equipment and modeling software, along with new conceptual approaches, are rapidly improving our understanding of groundwater flow and contaminant transport in fractured bedrock systems. Fractured bedrock sites are sometimes perceived as so inherently complex that unmanageable uncertainty remains even after an investigation is complete. This 1-day course is dedicated to those emerging technologies and field approaches that help unravel hydrogeologic complexities in these complex settings.

### Discover New and Trending Technologies for Bedrock Investigations

Advanced registration is necessary for participation in this limited-enrollment short course. Pre-registration is required to reserve space and receive course materials. A confirmation letter and map will be sent within 10 days following your course registration. Accommodations at Crowne Plaza Hotel - Northstar Minneapolis located 6 blocks from Target Field. Evening Reception is June 4, 2014. Access to reception is restricted to June 4 & 5 course registrants. Sponsorship opportunities are available, in cooperation with Target Field.

#### REGISTRATION

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

\*For earlybird registration, payment must be received before March 31, 2014. Cancellations may be made up to June 1st, however 50% of the fee will be charged. No refunds. Maximum number of 40 registrations for this course. Liability waivers from each attendee will be required for this event. Questions? Call Customer Service at 763.607.0092 or email [service@midwestgeo.com](mailto:service@midwestgeo.com).

#### Course Fee (June 3):

Pre-Sale Discount: \$199 (USD)  
(thru March 31, 2014 combined with Course 1)  
Register Now: \$399 (USD)  
Register after 23 May 2014: \$699 (USD)  
Multiple-Person Discounts Available.

Mail completed form with payment to: Midwest GeoSciences Group  
6771 County Road 8 SW  
Waverly, MN 55390

Or On-Line: [www.midwestgeo.com](http://www.midwestgeo.com)

Sponsorship Opportunities: [www.midwestgeo.com](http://www.midwestgeo.com)  
or call 763.607.0092

On-Site Access & Registration: Follows Registration

#### Course Fee (June 4 & 5):

Pre-Sale Discount: \$499 (USD)  
(thru March 31, 2014)  
Register Now: \$649 (USD)  
Register after 23 May 2014: \$980 (USD)  
Multiple-Person Discounts Available.

☐ Check Enclosed  
☐ VISA ☐ MasterCard

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