

Agenda

Defining and Identifying Brownfields

- Legal definition of a brownfield
Common types of brownfield sites:
- Railroads
 - Gas stations
 - Refineries
 - Dry cleaners
 - Chemical manufacturers/storage facilities
 - Heavy industrial facilities
- Common liabilities associated with brownfields

Federal and State Regulation of Brownfield Sites

- Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
- CERCLA liability scheme
 - CERCLA trust fund
 - National Priorities List
- Resource Conservation and Recovery Act (RCRA)
- RCRA scope
 - RCRA requirements
- State and local regulations and incentives
Ohio EPA Voluntary Action Program (VAP)

Assessing Sites and Identifying Risks

- Retaining an environmental consultant
Due diligence and performing a Phase 1 site assessment
Data quality objectives
Scope of subsurface investigation
Risk-based decisions
Projecting remediation costs and working with regulators

Implementing Remediation Technologies and Processes

- Engineering and institutional controls
- Biological treatments
 - Physico-chemical treatments
 - Thermal treatments
 - Other options

Planning and Implementing Site Remediation and Redevelopment Strategies

- Working with regulators
Working with consultants and technicians
Regulatory enforcement options
Exploring options for redevelopment
Redevelopment financing

Enjoy HalfMoon Education's flexible scheduling and different program delivery options! In the event of health concerns, program may be offered as a live webinar or be rescheduled, and will also be available as an on-demand course.

Brownfields Regulation, Remediation and Redevelopment

Middleburg Heights, OH - Thursday, July 16, 2020



HalfMoon Education Inc.
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Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Identify common types of brownfield sites and discuss common liabilities associated with them.

Examine federal and state regulations of brownfield sites and explore available incentives.

Learn how to project remediation costs while working with regulators.

Implement remediation technologies and processes, such as biological thermal treatments.

Strategize options for brownfield site redevelopment and discuss available financing.



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Brownfields Regulation, Remediation and Redevelopment

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Discuss the legal definition of a brownfield and **examine** types of brownfield sites

Learn about federal and state regulations of brownfield sites

Explore the Ohio EPA Voluntary Action Program (VAP)

Assess brownfield sites and **learn** to identify the risks

Implement site remediation and redevelopment strategies

Continuing Education Credits

Professional Engineers

7.0 PDHs

Certified Planners – AICP

CM | 7

Landscape Architects

7.0 HSW Contact Hours
LA CES Pending

Architects

7.0 HSW Continuing Ed. Hours
7.0 AIA LU|HSW

Ohio Attorneys

CLE Approval Pending

Construction Contractors

Non-Credit Continuing Ed.



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Faculty

Kathleen Teuscher

TRC Companies, Inc., Senior Project Manager/Human Health Risk Assessor

Ms. Teuscher has over 30 years of diversified experience in the chemical and environmental industry and has provided project management and key technical support for a variety of projects. In addition to managing TRC's Cleveland office, she has performed numerous human health risk assessments in accordance with various state and federal guidelines. Her areas of expertise include remedial investigation, risk assessment, vapor intrusion, brownfield redevelopment, RCRA closures, numerous phase I/phase II environmental assessments, feasibility studies, statistical analyses, and analytical chemistry. Ms. Teuscher has performed human health risk assessments and provided technical support for a variety of projects under such programs as CERCLA, RCRA, TSCA, individual state and USEPA brownfield programs. She has had successful experience in identifying reasonable and protective alternatives for risk-based solutions to environmental concerns. Ms. Teuscher's experience also includes performing lab audits, data validation, implementation of QA/QC procedures, and preparing quality assurance project plans. Prior to consulting, she was QA/QC director for a large environmental laboratory.

Michael P. Kurinsky TRC Companies, Inc., Project Manager, Environmental Due Diligence

Mr. Kurinsky has over 13 years of experience in managing and providing technical support for diverse projects for identifying, investigating and remediating environmental impacts, including projects performed through the Ohio Voluntary Action Program (VAP) that require the completion of a No Further Action (NFA) letter package and obtaining a Covenant Not

to Sue (CNS). His experience includes ASTM Phase I Environmental Site Assessments (ESAs), ASTM Phase II Investigations, remedial investigations, environmental compliance evaluations, Emergency Planning and Community Right-to-Know Act (EPCRA) reporting, spill prevention, control and countermeasure (SPCC) plans, National Pollutant Discharge Elimination System (NPDES) permitting and associated stormwater pollution prevention plans (SWPPPs). He also has experience in wastewater permitting, Ohio Bureau of Underground Storage Tank Regulations (BUSTR) closures, Ohio Cessation of Regulated Operations (CRO) Program, transactional due diligence support, environmental liability risk summaries and desktop reviews. Mr. Kurinsky regularly provides advisory and assurance-related services to clients on environmental liabilities, corporate governance, environmental health and safety management and social responsibility strategies.

John Heer Attorney, Fair Shake Environmental Legal Services

Mr. Heer has almost 30 years of experience practicing litigation, transactional, regulatory and environmental law, including experience with traditional environmental issues relating to the Clean Water Act, Resource Conservation and Recovery Act (RCRA), the Clean Air Act, the Toxic Substances Control Act (TSCA), the Federal Insecticide, Fungicide, the Rodenticide Act (FIFRA), the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), brownfields, wetlands and stormwater. He also has experience across North America with sustainability and chemical management. He is also a certified ISO 14001:2004 EHS auditor. Mr. Heer earned his J.D. degree, *cum laude*, from Case Western Reserve University School of Law, where he earned the Lewis F. Powell, Jr. Excellence in Advocacy Award on the National Mock Trial team. He received a B.A. degree in Criminal Justice and Psychology from Indiana University.

Seminar Information

Crowne Plaza Cleveland Airport

7230 Engle Road
Middleburg Heights, OH 44130
(440) 243-4040

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (On your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

Tuition

\$299 for individual registration
\$279 for three or more registrants from the same company at the same time.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This live lecture presentation is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects and 7.0 HSW contact hours to landscape architects in most states, including Ohio. Educators and courses are not subject to preapproval in Ohio.

This course is approved by the American Planner Association AICP for CM | 7 for Certified Planners.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (Sponsor No. J885). HalfMoon Education has applied to the Landscape Architecture Continuing Education System for course approval, which is pending. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing. Only full attendance is reportable to the AIA/CES and LA CES.

HalfMoon Education has applied to the Ohio Commission on CLE for attorney CLE credit, which is pending.

Updates on the status of pending continuing education credits can be viewed at www.halfmoonseminars.org under this event listing.

This course offers a continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing board.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

Water Conservation

- **Reviewing the Owner's Commitment to Water Conservation and Applicable Codes and Standards**
Thurs., April 23, 2020, 11:00 AM - 12:30 PM CDT
- **Assessing the Building Site**
Thurs., April 23, 2020, 1:00 - 2:00 PM CDT
- **Conserving and Reducing Water Use**
Fri., April 24, 2020, 11:00 AM - 1:00 PM CDT
- **Onsite Water Recycling and Minimizing Water Use**
Fri., April 24, 2020, 1:30 - 3:30 PM CDT

For more information and other online learning opportunities visit: www.halfmoonseminars.org/webinars/

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$279. This learning method does not qualify for the continuing education credit for Ohio attorneys, engineers, landscape architects, architects, AIA members or ASLA members. Please allow five weeks from the seminar date for delivery.

Registration

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
		() I need special accommodations. Please contact me.

Tuition

- () **I will be attending the live seminar.** Single Registrant - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$279.00** each.
- () **I am not attending.** Please send me the self-study package:
 - Downloadable MP3 Audio/PDF Manual for **\$279.00**.
 - CD/Manual Package for **\$299.00**. USB/Manual Package **\$299.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____