**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

**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**

Middleburg Heights, OH - Thursday, July 16, 2020

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**

<table>
<thead>
<tr>
<th>Professional Engineers</th>
<th>Architects</th>
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</thead>
<tbody>
<tr>
<td>7.0 PDHs</td>
<td>7.0 HSW Continuing Ed. Hours</td>
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<td>7.0 AIA LU/HSW</td>
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<td>CLE Approval Pending</td>
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<td>7.0 HSW Contact Hours</td>
<td>Construction Contractors</td>
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<tr>
<td>LA CES Pending</td>
<td>Non-Credit Continuing Ed.</td>
</tr>
</tbody>
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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.
**Seminar Information**

**Crowne Plaza Cleveland Airport**
7230 Engle Road
Middleburg Heights, OH 44130
(440) 283-0400

**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

**Registration Fee**
$299
For individual registration
$279 For three or more registrants from the same company at the same time

**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 subject to approval in Ohio. This course is approved by the American Planner Association and AICP. The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (Sponsor No. 0879). HalfMoon Education has applied to the Landscape Architecture Continuing Education System for course approval, which is pending. Visit www.halfmoonseminars.org for complete AIA|CEUs information under this course listing. Only full attendance is reportable to the AIA|CEUs and LA CES. AIA|CEUs credit may be available on this event.

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**Webinar Series**

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- **Reviewing the Owner’s Commitment to Water Conservation and Applicable Codes and Standards**
- **Assessing the Building Site**
- **Conserving and Reducing Water Use**
- **Onsite Water Recycling and Minimizing Water Waste**

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**Registration**
Brownfields Regulation, Remediation and Redevelopment
Middleburg Heights, OH - Thursday, July 16, 2020

**How to Register**

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**By Phone:**
715-835-5900
Fax: 715-835-6066

**Mail:**
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Complete the entire form. Attach duplicates if necessary.

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- ( ) 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

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- Billing Address: 

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