2020 AIA CEU Training Opportunities

Soil and Groundwater Pre-Characterization and Management

We will discuss the importance of characterizing the environmental condition of a site as it relates to minimizing risk to projects, health and safety, the environment. Discussions will include best practices for environmental planning as well as typical soil and groundwater management methods.

LEARNING OBJECTIVES

- The potential risks to workers, the public, the environment, and future occupants
- Common options for soil and groundwater management
- The importance of characterization of soil and groundwater prior to redevelopment activities and the potential impact to project cost and schedule
- Methods of environmental project planning and the typical phased approach to site pre-characterization

Demolition & Remediation Waste Management

This course is an overview of risks and best practices associated with demolition and remediation waste management. Demolition and remediation wastes can be a hazard to worker and public health. Pre-planning strategies discussed in this presentation can help minimize risk to the public, workers, future occupants, and the overall project.

LEARNING OBJECTIVES

- Understanding of the importance of pre-planning for environmental issues for renovation, demolition, and construction projects.
- General understanding of the health risks, assessment methods, and disposal methods for hazardous materials including asbestos, lead, mercury, PCBs in building materials.
- Discussion of the disposal methods for leftover chemical wastes in remaining in a building.
- Discussion of the health risks, and mitigation measures for demolition, renovation, or construction projects which produce dust, wastewater, or sandblasting wastes.

Planning and Management of PCB Containing Building Materials

The intention of the course is to provide attendees with a general understanding of what project considerations should be made when dealing with building materials as part of renovation and demolition projects that could contain PCBs. The presence of PCBs in building materials can impact the health and safety of building occupants and workers.

LEARNING OBJECTIVES

- What considerations should be made when initiating a renovation or demolition project on a building constructed between 1930 – 1980+.
- What types of building materials were PCBs used in and why were they used.
- How to properly prioritize and implement the abatement of PCB building materials.
- How are PCB containing materials classified and handled.

Vapor Intrusion Design Considerations

The intention of the course is to provide attendees with a general understanding vapor intrusion, the health hazards related to vapor intrusion, how to assess for vapor intrusion, and, if found, how to abate the hazard. Vapor intrusion from contaminated soil and/or groundwater can impact the health and safety of building occupants. This course will discuss options to assess and mitigate that risk.

LEARNING OBJECTIVES

- Understanding vapor intrusion and the importance for testing
- Understanding federal and state regulations associated with vapor intrusion
- Understand how vapor intrusion is assessed and what types of testing methods are used
- Understand the different kinds of remediation and construction barriers that can be used to prevent vapor intrusion

Climate Resilience and the Public Realm

As leaders in waterfront and resilient design, Halvorson | Tighe & Bond Studio has been on the front line, developing adaptive measures that respond to sea level rise and storm events, integrating solutions to mitigate coastal flooding, and exploring district-wide resiliency solutions to protect our communities. This presentation will highlight recent projects that demonstrate the many ways landscape architecture can work in tandem with engineered systems to protect and enhance communities with solutions that serve a dual purpose.

LEARNING OBJECTIVES

- Recognize strategies for coastal resilience
- Explore opportunities to enhance the public landscape
- Learn methods for engaging stakeholders in a community-driven process
- Apply creative problem-solving for protecting the waterfront

Via webinar or in-person, Tighe & Bond offers a number of AIA-accredited training programs. One hour in duration, these programs are led by our expert engineers, scientists, and designers. Content can be tailored based on attendees and specific interest. Please contact us to schedule:

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