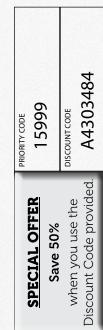
LORMAN®



The Hidden Dangers of Abandoned Utilities

Live Webinar October 30, 2019 • 1:00 PM - 2:30 PM ET

Subsurface construction is often fraught with danger and uncertainty, minimize the impact on your construction project.

Comments from other Lorman programs:

"I thought the information presented was done very well and helped me to understand more about the topic. The Live Webinar was very convenient and allowed me to participate right from my office. It was wonderful!" —Tiffany Evans

"I enjoyed the speaker and appreciated the hands-on reference material. The use of specific examples made things very clear." —Joan Varel

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As consultants and engineers, we work to minimize that uncertainty and engineer solutions to make construction safer. However, in many cases, it is the unknown presence of abandoned utilities that can pose both a danger to workers and adversely affect the project schedule and costs. This topic helps the persons responsible for planning and designing construction to avoid or minimize the potential effect of abandoned utilities before starting construction and develop plans to address them during construction. The content will explain procedures that consultants and engineers can implement during planning stages and pre-design investigations to identify potential abandoned utilities. Identifying the utilities and establishing procedures for addressing them during construction during the design phase is a critical factor in preventing construction delays and potentially fatal accidents. This topic is critical for consultants and engineers so they can ensure their employees' safety and minimize the impact of unknown utilities and subsurface structures on construction.

Learning Objectives

After attending this live webinar, you will be able to:

- describe methods for proper abandonment of utilities.
- discuss options for anticipating abandoned utilities and preventing adverse effects on construction.
- · identify the type of abandoned utility encountered.
- recognize potential hazards from abandoned utilities.

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Live Webinar Registration

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Printable registration form available upon request.

Can't Attend? Audio & Manual package available online.

Agenda

Before You Dig

- Utility Clearance Requirements and Procedures
- · Historic Document Reviews
- Geophysical Surveys, Hand Clearing, Soft Digging Options

While You Dig

- · Abandoned Utility Identification
- · Methods of Abandonment
- Job Planning for Abandoned Utilities

Practical Examples of Abandoned Utilities

- Improperly Abandoned Utility Lines
- Historic UST/LUSTs and Structures
- Historic Industrial Process Piping

Faculty

Matthew J. O'Neil, P.E.

- Senior engineer in the office of GEI Consultants, Inc.
- Conducts regular internal seminars and workshops on numerous environmental and construction practices within GEI
- Wrote several publications related to the areas of environmental engineering and groundwater treatment
- Can be contacted at 401-533-5152 or moneil@geiconsultants.com

Gary A. Rozmus, P.E.

- Senior consultant at GEI Consultants, Inc.
- Directing Brownfield redevelopment, freight and transit projects and real estate acquisition and development of environmental services including site assessment, remediation, facility decommissioning and closure, risk-based closure, environmental permitting and compliance, natural resources assessments, and environmental construction management
- More than 40 years of experience in environmental consulting
- Can be contacted at 631-479-3510 or grozmus@geiconsultants.com

For a complete list of accomplishments, visit www.lorman.com/ID406943.

General Information: Includes free downloadable manual with attendance. This live webinar may be recorded by Lorman Education. If you need special accommodations, please contact us two weeks in advance of the program. Lorman Education Services is not approved to offer self-study CPE credit for accountants; therefore, no CPE will be given for this program if ordered as a self-study package. ©2019 Lorman Education Services. All rights reserved. Cancellations: Substitute registrants can be named at any time. A full refund, less a \$20 service charge, will be given if notification is given six or more business days in advance. Notification of less than six business days will result in a credit that can be applied to any Lorman products or services. If you do not cancel or attend, you are responsible for the entire payment.