

Technical Seminar

Register Today

at

IFAI.com/Geosynthetics/WCSD



DATES

July 16, 2019 8 am–5:30 pm

July 17, 2019 7:30 am–3 pm

LOCATION

Crowne Plaza | Syracuse, NY

REGISTRATION

Registration/Sign-In 8–9 am

Government \$150

Non-Government \$225

Register online at IFAI.com/Geosynthetics/WCSD. Registration includes all education sessions, industry presentations, and **12 PDHs** to meet state professional engineering licensure requirements.

HOTEL

Crowne Plaza | Syracuse, NY

Please identify yourself as an attendee of this seminar by July 1, 2019 to receive the Government room rate of \$98 per night.

Please note: The deadline to register is July 8, 2019. Seating is limited and attendance will be based on first come first served basis and maximum attendance will likely be achieved prior to the July 8th deadline.

Understanding the Critical Role of Geosynthetic Materials

Waste Containment System Design III

An Overview of the Current State of Practice for the Design of Solid Waste Landfill Double-Liner and Final Cover Systems



OBJECTIVE

The objective of this third in a series of landfill design seminars is to provide attendees with an enhanced working knowledge of the current state of practice, and standard of care, relating to the **proper design, construction, and CQA** of double-lined landfills that provide for environmentally sound disposal of solid waste. Participants will be provided with an overview of the appropriate project considerations in the context of current national practice that are relevant for both natural and geosynthetic construction materials used in the design and construction of waste containment systems. It is important that professionals in the field be aware of how the latest technical understandings are integrated into the state-of-the-practice for waste containment system design, material specification and construction. Participants will be provided with an overview of the current solid waste management regulations as they pertain to landfills in New York State as well as the most recent CQA advances in electrical leak location technology and methods. This seminar was developed to present concise, yet comprehensive coverage of the latest critical understandings of technologies and methods used to design, construct, and close waste containment facilities.

WHO SHOULD ATTEND

Landfill design engineers, construction supervisors, landfill owners and operators, regulatory agency staff, and public works and municipal engineers will benefit from this Seminar. This seminar is uniquely developed to benefit both the experienced as well as newly hired practitioners in the field of waste containment design and construction.

Visit IFAI.com/Geosynthetics/WCSD for seminar agenda and registration information.



Questions?

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ABOUT THE INSTRUCTORS



Principal Instructor, **Richard Thiel, P.E.** (CA, WA, and OR), G.E. (OR), is a practicing civil and geotechnical engineer with 34 years' experience specializing in containment design and construction for geotechnical projects, waste containment, surface impoundments and reservoirs, leach mining facilities, and secondary containment for fuel and leachate tanks. He is experienced at performing design peer reviews, economic evaluations, static and seismic slope stability analyses, failure analyses, design of liner systems with soils and geosynthetics, leachate management systems including pipelines and pump stations, geotechnical site reconnaissance and resource investigation programs, construction quality assurance (CQA), assistance in developing state solid waste regulations, and being an expert witness. He has been president of Thiel Engineering in northern California for nearly 24 years during which time he was concurrently senior engineer and vice-president for Vector Engineering in California for 10 years, he worked for EMCON Associates for 8 years before that, and for Harza Engineering in Chicago designing dams for 2 years before that. He is a veteran of geosynthetic conferences and committees around the world, was an instructor for the ASCE seminars on containment liner and cover systems design, educator for the California State Water Board, provided many other courses related to geosynthetics and liner system design, and is author of over 60 publications.



Electrical Leak Detection Instructor, **Abigail Gilson**, Senior Engineer has over seventeen years of diverse civil engineering experience and is a registered Civil Engineer in multiple states including New York, where she resides. She spent the first part of her career as a containment facility design engineer and joined TRI in 2012 to focus solely on the implementation and innovation of electrical leak location technologies. She has over fourteen years and 160 million square feet of electrical leak location experience. Her contribution to the field of electrical leak location includes numerous published technical papers, educational seminars, presentations world-wide, and chairing the ASTM committee for the recent revisions and additions to the ASTM Standard Guide and Practices.



Regulatory Instructor, **Robert Phaneuf, P.E.**, is the Assistant Director of New York State's Department of Environmental Conservation's Division of Materials Management and has worked in the field of solid waste management in a regulatory oversight role for over 40 years. Bob's primary duties have included: formulation of statewide solid and hazardous waste management policy and regulation including supervision of technical and administrative evaluations of applications to construct and operate solid and hazardous waste management facilities throughout New York State. Since 1988, Bob has been a key member of the Division's rule-making team for the State's solid waste management regulations.



The Geosynthetic Materials Association (GMA), a division of the Industrial Fabrics Association International (IFAI), is the central resource for information on geosynthetics. GMA provides a forum for consistent and accurate information to increase acceptance and promote the correct use of geosynthetics.

GMA actively identifies, assesses, analyzes and acts upon market growth opportunities and issues that affect its member companies. Activities center on five areas: engineering support, business development, education, government relations and industry recognition.