

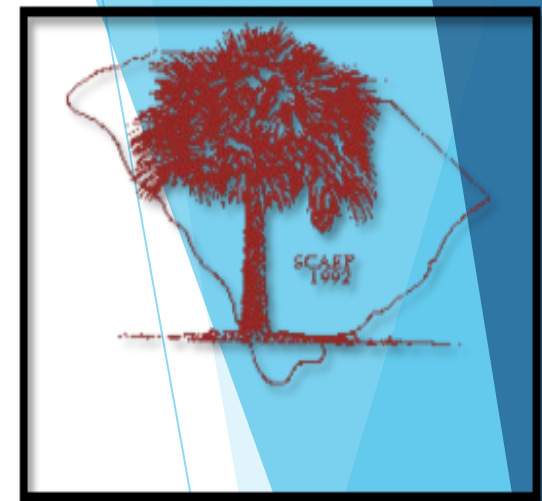
The South Carolina Association of Environmental Professionals invites you to attend!

- Date:** **Thursday, August 21, 2025**
- Time:** **6:30 pm (social) 7:00 pm (meeting start time)**
- Where:** **Weston and Sampson Office – 1201 Main Street, Suite 930,
Columbia, SC 29201 or Zoom ([link below and must register to access](#))**
- Cost:** **No charge for paid members or first-time attendees**
- Speaker:** **Elizabeth Miler Rhine, M.B.A., Bhate Environmental Associates**
- Topic:** **“Leveraging Soil Conditions to Close Sites”**

The existence of naturally occurring constituents of concern (COCs) in particular metals that exceed remedial action (RA) levels has delayed closure of many sites under RCRA and CERCLA. This presentation will show examples of the approach to develop lines of evidence to demonstrate 1) natural source, 2) geogenic and pedologic processes responsible for their occurrence, and 3) support for site-specific physical and geochemical characteristics. A hydrologic and geochemical conceptual site model (CSM) ties the evidence together that has achieved regulatory acceptance at multiple sites in Florida. This approach, implemented by Arcadis and advanced by Bhate, has led to closure of several sites and elimination of inorganics as COCs at a dozen other sites to date.

With a B.S. in Biology from Furman and an M.B.A from Webster University, Elizabeth is a principal environmental scientist based in South Carolina with more than 30 years of professional experience focused on the characterization and remediation of impacted sites in the chemical, oil and gas, and transportation sectors. Her work has focused in groundwater remediation of hazardous waste sites under the CERCLA and RCRA, indoor air quality evaluations, regulatory compliance, environmental liability valuations, transactional due diligence, Federal ORCs, and Brownfield redevelopment. She has developed site-specific soil and groundwater remediation applications for complex sites; developed creative and cost-effective remediation strategies to meet the objectives of responsible parties, regulatory agencies, potential developers, and the public; has provided Litigation Support and *Depositional Testimony*; and is currently serving on the Interstate Technology & Regulatory Council (ITRC) team for drafting guidance, conducting training, and publishing resources.

Zoom Link: <https://us02web.zoom.us/join/91ElnYnfQe6cCgyomjDhuA>



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❖ Who are we?

- SCAEP was founded in 1992 as a non-profit organization with the following objectives in mind:
- Promote harmony, cooperation, and mutual understanding among environmental consultants, regulatory agencies, educational professionals, business professionals, etc.
- Allow members of the various disciplines represented, both public and private, the opportunity to interact at a social level
- Encourage the transfer of technical information
- Provide a vehicle for continuing technical education
- Foster the highest standards of Professional Ethics within the environmental field
- Combat unfair practices within the environmental field

❖ Why Join or Sponsor SCAEP?

- PE/PG Credit Hours!
- Networking with professionals
- Food and drinks (some “fortified”) at each meeting
- A forum to present new research and interesting topics (PGs get 2 credit hours for presenting!)
- Two memberships when you sponsor SCAEP
- We always have fun and the whole group is pretty much AWESOME 😊
- Membership fees are only \$35/calendar year and \$15 for students

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