

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

- Date:** Thursday, October 17, 2024
- 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)
- Cost:** No charge for paid members or first-time attendees
- Speaker:** Andrew Colby, Bunnell Lammons Engineering, Inc.
- Topic:** Electrical Leak Location

With over 25 years of experience at Bunnell Lammons Engineering, Mr. Colby serves as branch manager for the Columbia, South Carolina office.

Mr. Colby has provided Electrical Leak Location services for over 13 years with experience on covered and exposed barriers exceeding an area of more than 100 million square feet.

Electrical Leak Location (ELL) is a technology used as a testing procedure to assist in the detection of potential leak paths.

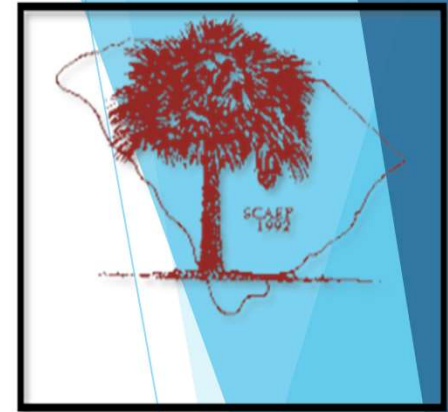
ELL is performed by applying an electrical charge (DC) directly to the surface of containment materials or cover layers (e.g. soil, sand, aggregate, water), while placing an electrical ground below or outside of the containment area. A voltage meter is used above the containment area surface to observe and monitor electrical current flow. Variations in electrical current flow may indicate the potential of leak paths.

ELL has primarily been used on containment systems designed as barriers to seal or hold a solution with the application of paint, coating, epoxy, bonding, welding or continuous lining. The seals used for containment are typically non-conductive and utilized as electrical insulators in these types of systems. Electrical current travels through any break within the electrical insulator and indicates leaking.

The goal of this presentation is to educate and provide knowledge of the uses, methods, limits, advantages and sequencing required to use the technology and perform a successful ELL test or survey.

**Zoom Link:** <https://us02web.zoom.us/j/83372459580?pwd=m1xeERxyBY7Zn37fLxa4weipggArs.1>

**Passcode:** 020791



## Our Sponsors:



## ❖ 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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