



AEG Carolinas Chapter Dinner Meeting in Asheville

*The Carolinas Chapter of the
Association of Environmental & Engineering Geologists*

Guest Speaker:



Susan Avritt, PE, PG
Project Manager at TRS, a Parsons Company

PRESENTATION

Thermal Remediation – It's Not Only for the Most-Contaminated Sites

MEETING DETAILS

Place: The Event Space at Hi-Wire Brewing, 2B Huntsman Pl in Asheville, North Carolina

Date: Thursday, September 10, 2026

Time: 6:00 PM socializing begins, 7:00 buffet dinner, 8:00 Susan's presentation

Cost: AEG members \$40, non-members \$55, AEG Student Members **free**

Reservations: Please make reservations with Jennifer Thomas by 6:00 PM on Monday, September 7th on the AEG Carolinas website: www.aegcarolinas.org/news. AEG Student Members can make reservations on the website for \$1 or (for free) by

sending an email to Jennifer Thomas at jen@jenntecllc.com.

Susan's Presentation

Significant volatile contamination is not a precursor for implementation of thermal remediation. Although thermal remediation typically results in greater than 99 percent mass reduction, which is valuable for high contaminant-mass sites, thermal remediation strategies commonly focus on significant risk and liability reduction regardless of the degree of contamination. Thermal remediation can be implemented in-situ and ex-situ in a variety of settings that range from beneath active manufacturing facilities to vacant land where drums were disposed to soil piles. The type of thermal remediation can also vary from low-temperature hydrolysis or bioaugmentation to high-temperature volatilization of semi-volatile compounds to contaminant immobilization. Thermal remediation can be implemented above and below the water table in most geologic settings, including low-permeability silts and clays, sands, and bedrock. The presentation will include a series of case studies with a variety of conceptual site models, where thermal remediation was implemented to achieve end goals that resulted in reducing both risk and liability.

Susan's Bio

Susan received a BS in Civil Engineering and a MS in Hydrogeology from Clemson University. She spent 18 years in environmental consulting focusing on sites in the Southeast. She was lucky enough to work on two very interesting Superfund Sites in Western North Carolina: Chemtronics in Swannanoa and CTS in south Asheville. She has also worked at nuclear-fuel production facilities, manufacturing facilities, landfills, nurseries, gas stations and dry cleaners, and she has even dabbled in geotechnical investigations. Susan transitioned to the environmental remediation field in 2020, when she joined the TRS Group (now a Parsons company) as a Project Manager. TRS designs and implements thermal-remediation projects worldwide. Susan has managed projects in the US and Europe remediating a variety of sites, including beneath active manufacturing facilities to highly contaminated industrial landfills, successfully removing thousands of pounds of contaminant mass, a satisfying result for an environmentalist.