



## Fall Dinner Meeting

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

#### *Guest Speaker:*



**Joan Smyth, P.G., RSM**  
**Vice President/Senior Geologist, Smith Gardner, Inc.**

## PRESENTATION

### **PFAS in Landfill Leachates and Effects on Wastewater Treatment Plants**

## MEETING DETAILS

**Place:** Kau – Restaurant/Butcher/Bar, 2003 Yanceyville Street in Greensboro

**Date:** Thursday, October 23, 2025

**Time:** 5:30 PM socializing begins, 7:00 buffet dinner, 8:00 Joan's presentation

**Cost:** AEG members \$40, non-members \$50, \$20 for educators and public-sector employees, students **free** with college ID. *Cost will be \$5 more at the door (i.e., please pre-register).*

**Reservations:** Please make reservations with Rick Kolb by 6:00 PM on Friday, October 17th on the AEG Carolinas website: [www.aegcarolinas.org/news](http://www.aegcarolinas.org/news). Students can make reservations on the website for \$1 or (for free) by sending an email to Rick at [rick.kolb1@gmail.com](mailto:rick.kolb1@gmail.com).

## **Presentation Synopsis**

Per- and polyfluoroalkyl substances (PFAS) are a class of constituents of increasing concern and regulation. Among many other sources, PFAS constituents are found in landfill leachate, which is predominantly disposed of at wastewater treatment plants. PFAS concentrations in landfill leachates from across North Carolina were used in conjunction with wastewater treatment plant flows to determine the potential effect that different leachates have on the discharges at wastewater plants.

## **Joan's Bio**

Joan Smyth is Vice President and Senior Hydrogeologist for Smith Gardner, Inc. based on Raleigh, North Carolina. Her focus is the solid-waste sector, and she provides consulting for landfill permitting and water-quality monitoring, assessment, and remediation. Her focus for the past 5 years has been emerging contaminants. She serves on the North Carolina Board for Licensing of Geologists as the consulting industry's representative and is the AEG liaison for the Association of State Boards of Geology (ASBOG). Joan is also an adjunct professor of geology at Appalachian State University.