

**Hollie Delaney**

Cedar Creek Engineering, Inc.  
325 A Tierney Way  
Winchester, KY 40391



*Pure Science for Clean Water®*

**Environmental Engineer**

2009 - Present

Performs engineering activities related to environmental assessments, soil and groundwater remediation, wastewater treatment, industrial services, and environmental compliance.

Plans, coordinates, and directs field activities. Performs physical surveys and prepares site plans from survey data using AutoCAD. Prepares groundwater flow contour maps using graphical plotting software. Prepares summary reports for site investigations and remedial efforts.

Performs laboratory bench tests for soil oxidant demand, reagent optimization and contaminant treatability. Performs general soil testing including density, porosity, grain size and moisture content. Skilled in the calibration and use of spectrophotometers, colorimeters and a variety of ion specific probes for measuring arsenic, iron, chromium, nitrate, ammonia and general chemistry parameters. Maintains spreadsheets and databases of analytical data and generates graphics depicting results.

Coordinates and conducts in-situ chemical oxidation treatments using Fenton's reagent.

Designs wastewater treatment system upgrades and prepares upgrade proposals for clients. Assists with maintenance of wastewater treatment system. Reports monthly data per Kentucky Pollution Discharge Elimination System requirements.

2009 **Research Assistant – UK Kentucky Water Resources Research Institute**

Collected water samples and conducted analysis pertaining to the EPA Superfund Project and Town Branch and Wolf Creek Nutrient TMDL grant.

**Education:**

B.S. Physics, 2008  
Eastern Kentucky University

B.S. Civil Engineering, 2009  
University of Kentucky