

CANDY E. ELLIOTT, PG

Education

B.S. – Geology, University of North Carolina at Wilmington

M.S. – Geophysics, New Mexico Institute of Mining and Technology



Registrations and Certifications

Professional Geologist – North Carolina, South Carolina, Florida

40-hour CFR §1910.120 Health and Safety Certified

Professional Affiliations

National Groundwater Association

Carolina Geological Society

Professional Experience

Candy Elliott, PG, is experienced in environmental services, managing environmental site assessments, comprehensive site assessments, brownfield assessments, underground storage tank closures, and soil and groundwater remediation projects. She is also experienced in a wide variety of remediation technologies. Additional training includes online and in-person training on environmental justice through the USEPA and the North Carolina Department of Environmental Quality (NCDEQ) Solid Waste Section.

Environmental Assessment and Due Diligence

Confidential Client, California. Performed Environmental Justice review for the area surrounding a Class VI injection well for geologic sequestration of carbon dioxide. Accessed data from the USEPA EnviroScreen, the United States Census databases, and the California Environmental Justice Screening Tool. Compiled community data for sensitive populations in areas with existing high-risk environmental activities.

Confidential Client, Louisiana. Performed Environmental Justice review for the area surrounding a Class VI injection well for geologic sequestration of carbon dioxide. Accessed data from the USEPA EnviroScreen and the United States Census databases. Compiled community data for sensitive populations in areas with existing high-risk environmental activities.

Private Landfill, North Carolina. Prepared an Environmental Justice Report as part of a landfill expansion permit. Accessed and compiled data from the USEPA EnviroScreen, the United States Census databases, and the NCDEQ Community Mapping System.

NCDEQ Underground Storage Tank (UST) Section, Various Locations, NC. Managed UST closures and related assessment and remediation activities as a regulator with the UST Section, and as a private consultant. Achieved site closure with Notice of Residual Petroleum on several sites. Oversaw borehole geophysical investigations.

Former Boeing Jet Testing Facility, Rancho Cordova, CA. Performed sampling and maintenance for a large-scale vapor extraction system remediating an extensive trichloroethene groundwater plume. Implemented a rebound test to evaluate system closure potential.

Confidential Client, Yorktown, VA. Managed data for a groundwater monitoring system with more than 100 wells under three regulatory programs using EQiUS, a commercial environmental database software. Performed statistical analysis of concentration trends, and background concentrations using US EPA ProUCL open-source software.

Confidential Client, Various Sites in NC. Performed aquifer testing, soil and groundwater sampling, and soil gas testing at steam-plant coal-ash pond facilities.

NCDEQ, Inactive Hazardous Sites Branch (IHSB), Various Locations in NC. Performed soil, groundwater, and vapor intrusion assessments at IHSB sites in Charlotte, Wilson, Wake Forest (Stoney Hill site), Gastonia, and Greensboro.

NCDEQ, IHSB Pre-Regulatory Landfill Unit Contract, Various Locations in NC. Prepared standard operating procedures for the contract, created proposals, and managed sites in Waxhaw, Cherryville, Beaufort, and provided technical guidance for additional sites. Technical guidance included geophysical investigation oversight.

Phase I and Phase II Environmental Site Assessments and Various Locations in NC, SC, GA, VA, and AL. Sites included large industrial manufacturing facilities, agricultural tracts, service stations, commercial and retail sales centers, and asphalt plant. Phase II projects included soil, groundwater, and vapor intrusion assessments.

SERDP-ESTCP (US Department of Defense Research Programs), Orlando, FL. Performed aquifer testing, used high-resolution site characterization tools to identify chlorinated hydrocarbons in low permeability strata, and the effects of back-diffusion on contaminant rebound post bioremediation. Performed plume migration and flow modeling using numerical and analytical models.

Biogen Pharmaceuticals, Cary and Durham, NC. Provided project management and oversight for wastewater discharge compliance at two manufacturing facilities.

Confidential Client, Fayetteville, NC. Provided project management and technical oversight for per- and polyfluorinated alkyl substances (PFAS) sampling in ten private water supply wells. Samples were collected as part of a class-action lawsuit related to GenX.

Confidential Client, Goldsboro, NC. Provided project management and technical oversight for PFAS sampling in eight water supply wells near Seymour Johnson Air Force Base in Goldsboro, North Carolina. The sampling was performed as part of a class-action lawsuit.

Town of Maysville, NC. Performed groundwater assessment, municipal well sampling, and drawdown testing for PFAS-contaminated municipal water well servicing for the Town of Maysville.

US EPA Brownfields Projects, NC and VA. Oversight of geophysical investigations including GPR, resistivity, EM.

Private and municipal landfill clients, NC. Performed geologic certification inspections for landfill construction. Prepared statistical testing for alternate source demonstration of metals in groundwater.

Private client, LA. Faulting and seismicity study for Area of Review for a Class VI injection well.

Private client, CA. Faulting and seismicity study for Area of Review for a Class VI injection well.

Environmental Remediation Projects

NCDEQ UST Section State Trust Fund Sites, Various Properties in NC. Managed soil excavation, soil mixing, in-situ soil and groundwater remediation including chemical oxidation, groundwater pump and treat systems, mobile multi-phase extraction, and monitored natural attenuation projects.

Confidential Client, Selma, NC, Sanford, NC and Searcy, AR. Geologist of record for in-situ bioremediation of chlorinated compounds at hydraulics manufacturing facilities. Oversaw injection, performed vapor intrusion assessment, oversaw drilling of angled monitoring and injection wells, performed transport modeling, geochemical trend analysis, and statistical trend analysis.

Confidential Financial Institution, Morehead City, NC. Oversaw the installation of passive venting system and geotextile membrane to mitigate vapor intrusion potential in new construction of a bank. Performed the initial assessment and post-construction monitoring.

SERDP-ESTCP, Orlando, FL. Performed emulsified vegetable oil injection, pH adjustment, and bioaugmentation at former military airfield to remediate chlorinated compounds.