

Chelsea N. Williams, P.G.

Mrs. Williams is a Professional Geologist with nine (9) years of experience performing and managing diverse geological, hydrologic, regulatory compliance, and environmental projects. These projects include: multimedia hydrogeological investigations, hazardous waste permitting and reporting, Homeland Security CFATS compliance, soil and groundwater remediation, soil-gas investigations, Phase I and Phase II Environmental Site Assessments, and groundwater monitoring plan and report writing. Her responsibilities include managing and preparing work plans and budgets for small to large-sized projects; supervising environmental scientists, drillers, and other subcontractors; performing/coordinating sub-slab and soil-gas surveys; radiological Phase II sample coordination; geophysical surveying utilizing EM-31 and Ground Penetrating Radar (GPR) SmartCart; dye trace studies; managing drilling operations and installation and decommissioning of monitoring wells, gas probes, and piezometers; writing/ updating Part A and Part B RCRA permit applications; performing post-closure care cost analysis using CostPro v.6.0; conducting research to comply with ISO 14001 standards; training personnel on Homeland Security CFATS regulations and creating written SOPs and site security plans in compliance with CFATS regulations; performing ambient/indoor/sub-slab air sampling; logging soil and rock samples using USCS; surface and groundwater monitoring; performing erosion and sediment control inspections at multiple construction sites; conducting water use surveys; creating Sampling and Analysis Plans for various projects; mercury air monitoring; methane monitoring utilizing GEM 2000; writing Groundwater Quality Assessment Update for a large landfill and recycling center; performing inspections and closures of Underground Storage Tanks (UST) at several sites and managing UST program; writing Spill Prevention, Control, and Countermeasure Plans (SPCC) and Storm Water Pollution Prevention Plans (SWPPP); performing and evaluating statistics (trend analysis and confidence intervals) appropriate for a large groundwater monitoring network under corrective action; and compiling data from numerous sources into comprehensive hydrogeological reports. She has worked on projects involving Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), UST regulations, Homeland Security CFATS regulations, Toxic Substances Control Act (TSCA), and is familiar with U.S. EPA sampling protocols and Unified Guidance. She has provided service to a wide range of private and governmental (Local, State, and Federal) clients, including Tennessee Department of Transportation, Nashville Metropolitan Government, US EPA, Firestone Building Products, KW Plastics, Langdale Forest Products Co., NASA, Piedmont Natural Gas, Sanders Lead Company, Casey's General Stores, Carlex, DuPont, Vanderbilt University, and Waste Management.

EDUCATION

M.S., Geology, Loma Linda University, 2010

B.S., Geology, Loma Linda University, 2008

CERTIFICATIONS/ SPECIAL TRAINING

- Professional Geologist Licenses in Tennessee (License #5769), Alabama (License #1421), Arkansas (License #2044), California (License #9441), Georgia (License #PG002197), Kentucky (License #173523), and Louisiana (License #1288)
- Erosion Prevention and Sediment Control Training: Level 1 Certification - 123354-TN12

- OSHA 29 CFR 1910.120 Health and Safety Training (40 hours) Hazardous Waste Operations (HAZWOPER) and annual 8-hour updates
- OSHA 29 CFR 1910.120 8-Hour HAZWOPER Supervisor Training (2011)
- DOT Hazardous Materials Training (2014)

EXPERIENCE

Feb 2019 – Present	Senior Geologist / Project Manager, K.S. Ware & Associates, Nashville, Tennessee
Apr 2012 – Feb 2019	Geologist, TriAD Environmental Consultants, Nashville, Tennessee
June 2010 – Nov 2011	Staff Geologist, HydroGeoLogic, Inc., Canoga Park, California
Sept 2008 – May 2010	Graduate Student Teacher (Sedimentology and Stratigraphy), Loma Linda University, Loma Linda, California

PUBLICATIONS/PRESENTATIONS

- Author/Presenter of *Homeland Security Compliance and Your Chemicals of Interest*, Association of Battery Recyclers Conference, Naples, Florida, May 2017; Air & Waste Management Association Conference, Nashville, Tennessee, September 2017; Tennessee Association of Manufacturers, Chattanooga, Tennessee, November 2017.
- Adjunct Professor of Geology/Earth Science – Nashville State Community College, Nashville, Tennessee, 2015-2016.
- Author/Presenter of *Environmental Controls on Formation of Newly Discovered Spring Microbialites and Associated Carbonates near Brisco, British Columbia*, Geological Society of America – Rocky Mountain/Cordilleran Conference, Anaheim, California, April 2010.
- Geology Seminar Presentations (quarterly basis) - Loma Linda University, Loma Linda, California, 2008-2010.