Emily Smith

**Education**

BS – Biological Sciences (Environmental),

Wichita State University, 2015

AS – Science, Butler Community College, 2012

**Specialty Certifications**

40-Hour HAZWOPER Training – August 2019

EPA/KDHE Groundwater Sampling Technician – October 2019

Drilling Atop a Lined Landfill – August 2020

EPA Method 9 Certification – Certified Visible Emissions Reader – December 2020

38-hour Army Corps of Engineers Wetland Delineation Training – July 2022

**Professional Experience**

As a Staff Professional and GIS Analyst, Emily Smith has been responsible for a multitude of groundwater monitoring and ecological-based projects. She has experience as a biologist, field technician, and Staff Professional in the private sector for over three years aiding project managers to complete permitting requirements and meet state and federal environmental compliance standards.

Since she began working at SCS in 2019, she has coordinated and assisted on multiple ecological projects throughout the Midwest. This includes conducting pedestrian surveys for wetland determination/delineation, federal and local Threatened and Endangered Species (T&E) surveys, and reporting on the findings for both the public and private sectors.

Ms. Smith has ample knowledge in all aspects of groundwater monitoring, including measurements of surface waters and groundwater levels, sample collection, well drilling and installation, and field and laboratory analysis. She currently coordinates groundwater monitoring and report preparation for the largest groundwater remediation system in the state of Kanas for the City of Wichita’s ongoing North Industrial Corridor and Gilbert and Mosley Sites.

Additionally, she has experience performing a variety of tasks for many other services carried out by SCS including, solid waste landfill, remediation systems, environmental due diligence, organic management, and USTs/ASTs sites.

**Project Experience**

**Wetland Determination/Delineation, Multiple Sites in Kansas, Nebraska, Missouri, and Indiana.** Ms. Smith has experience as a lead biologist conducting a variety of pedestrian surveys to delineate wetlands and jurisdictional waters and report writing for these projects throughout the Midwest. Wetland delineations and jurisdictional determinations have been completed according to the USACE Wetlands Delineation Manual (USACE 1987).  Wetland determinations/delineations have been completed for KDOT, energy sector clients including the oil and gas industry (pipelines) as well as wind and solar energy development projects, a commercial and residential development corporation, and for a multitude of other public and private sector clients. Ms. Smith has also written permit applications, and mitigation reports, communicated with stakeholders and coordinated with regulatory agencies on behalf of clients.

**Threatened and Endangered Species Surveys, Multiple Sites in Kansas and Oklahoma.** Has conducted surveys and written reports for threatened and endangered species occurrence and habitats on a variety of projects throughout Kansas and Oklahoma including the development of best management practices plans for protected species. Ms. Smith has been a field technician assisting in acoustic bat monitoring and American Burying Beetle surveys in northeastern Oklahoma for federally listed T&E species.  Assisted as a field technician on KDOT projects for mussel surveys.

**ArcGIS, Multiple projects across the United States.** Created multiple field data collection databases for groundwater gauging and sampling, as well as, landfill cell construction projects. Created many groundwater potentiometric surface contours and VOC plume maps. She has created information databases and figures for multiple robust deep well injection permitting projects. Maps have also been completed for the Kansas Department of Transportation (KDOT), Kansas Department of Health and Environment (KDHE), Kansas Department of Health and Environment administered by the Bureau of Environmental Remediation (KDHE-BER), wind and solar energy development projects, gas and oil pipelines, Phase I and II projects, municipal waste route optimization, commercial and residential development corporations, and for a variety of projects for other private and public sector clients.

**Groundwater Monitoring and Reporting, Multiple sites in Kansas and Oklahoma.**  Ms. Smith has conducted groundwater monitoring events at various facilities in Kansas and Oklahoma including multiple landfills, KDHE trust fund sites, and municipal sites. She has experience in all aspects of groundwater monitoring, including measurements of surface waters and groundwater levels, sample collection, well installation, and field and laboratory analysis. She currently coordinates groundwater monitoring and report preparation for public sector clients including the City of Wichita’s ongoing North Industrial Corridor and Gilbert and Mosley Sites. She has written and assisted with both KDHE and EPA-approved work plans, quality assurance plans, and health and safety plans for multiple groundwater and soil sampling projects.

**Remediation System Operation, Maintenance, and Monitoring (OMM).** As a field technician she was responsible for monthly monitoring of multiple KDHE and City of Wichita remediation sites involving air sparge and soil vapor extraction treatment systems. Ms. Smith has provided O&M, groundwater support, and repairs at all of the remediation sites she monitored.

**Construction Quality Assurance (CQA) and Construction Certification** **– Kansas, Oklahoma, and Nebraska.** Has overseen landfill liner and rain flap placement and welding, sand placement, drilling atop lined landfills, and installation of landfill gas collection systems, groundwater wells, tipping pads, culverts, litter fences, and guard rails. She has performed construction certification via surveying during all stages of new cell construction and leachate pipe installation.

**Geoprobe® Drilling and Soil Sampling, Multiple Sites in Kansas, Oklahoma, Illinois**. Has assisted on multiple soil sampling projects. Oversaw landfill gas collection system installation in Kansas and groundwater well drilling at landfills in Oklahoma. Assisted as a field technician on multiple drilling and soil sampling projects for petroleum and fertilizer spills in Caldwell, Kansas.

**Landfill Gas Collection System and Surface Emissions Monitoring, Multiple Sites in Kansas and Oklahoma.** Regularly performed monthly system balancing of landfill gas collection at active and inactive landfill sites and monthly visible emission readings were collected from two landfill gas flares at Reno County Municipal Solid Waste Landfill. She also has experience performing quarterly perimeter gas well readings in Kansas and at multiple sites in Oklahoma. She performed quarter-annual surface emissions monitoring of the landfills to identify and remediate any methane emissions.