

NATALIE L. BURRIS, PG

## Education

M.S., Geology, Hydrogeology, University of Kansas, Lawrence, Kansas, 2014

B.S., Geology, University of Kansas, Lawrence, Kansas, 2005



## Professional Licenses

Professional Geologist – Kansas, P.G. License No. 797

Registered Geologist– Missouri, R.G. License No. 2014004323

Professional Geologist – Nebraska, P.G. License No. G-0494

## Specialty Certifications

OSHA 40 HAZWOPER

## Professional Experience

Ms. Burris has 15 years of experience as an environmental geologist and hydrogeologist. Her project work experience includes development and review of comprehensive investigation and remedial work plans and reports; performing Phase 1 and Phase 2 Environmental Site Assessments; conducting groundwater monitoring sampling, reporting, and statistics; and conducting field investigations as a consultant. Natalie currently works on groundwater monitoring and reporting for coal combustion residual and municipal landfill projects.

Prior to joining SCS, Natalie worked for the Kansas Department of Health & Environment (KDHE)-Bureau of Environmental Remediation as a project manager, providing technical and administrative oversight of projects in the State Cooperative Program. More recently, she served a project manager for investigation of KDHE drycleaner and orphan sites. She also provided technical assistance for groundwater modeling projects, quality assurance, statistical analyses, aquifer testing, and vapor intrusion sampling.

## Utilities

**Wisconsin and Iowa, Alliant Energy Sites.** Supports groundwater monitoring and reporting activities for CCR sites for the SCS team based in Madison, WI.

**Jeffries, Tecumseh, and Lawrence, Kansas, Westar Energy.** Conducted statistical analyses and reporting for routine groundwater monitoring at the Westar Energy coal ash Jefferies, Tecumseh, and Lawrence Energy Centers required by the KDHE-Bureau of Waste Management.

## Groundwater Investigation & Remediation

**Various, Kansas, Drycleaners and Orphan Sites KDHE-BER Projects.** Developed and implemented investigations for evaluating drycleaner and orphan site releases for the KDHE Drycleaning and KDHE Orphan Sites Programs. Recent projects include Norge Cleaners – Edgemoor, Lloyd's Cleaners, GIP Wichita, LLC, Park City Properties, Ness City PWS, and Dodge City Cooperative Exchange.

**Various, Kansas, Various Contaminant Types and Remedial Technologies.** Investigated and remediated various contaminant types and remedial technologies including calcium polysulfide remediation of hexavalent chrome (Chrome Plus Site, McPherson, KS); refinery wastes (Arkansas City Refinery Site); metals (Coffeyville Re-Con); electrical resistance heating of carbon tetrachloride (Lincoln Grain, Atchison); groundwater extraction of carbon tetrachloride (Bunge Grain Elevator, Salina); free-phase hydrocarbon removal (Unit Rail Anchor Co., Atchison); chlorinated solvents via bioremediation or chemical oxidation (Acme Printing, KC; Tri-County Airport, Herington); nitrate remediation via removal and land application (Magellan Pipeline, Kingman, various sites); and perchlorate via bioremediation (Hodgdon Powder, Herington).

**Various and Boeing, Wichita, Kansas, Data Quality Reviews.** Conducted data quality reviews of environmental analytical packages for projects as requested by project managers and wrote or revised quality assurance project plans and other quality assurance documents for work plans and reports.

**South Hutchinson, Kansas, Farmland Industries.** Built a groundwater flow and contaminant transport model to help evaluate contaminant transport and potential groundwater extraction scenarios.

**Haysville, Kansas, Former American Cleaners.** Designed a Soil Removal Work Plan with engineering support for the Former American Cleaners for the KDHE-Dry Cleaning Program.

**Wamego, Kansas, Wamego City Shop.** Developed a Corrective Action Study for corrective action at the Wamego City Shop Site. Evaluated various options for cleanup including excavation and bioamendment injection options.

**Herington, Kansas, Hodgdon Perchlorate Site.** Worked various aspects of the project and developed a long-term groundwater evaluation program as a consultant and oversaw the development and implementation of groundwater bioremediation as the KDHE project manager.

**Atchison, Kansas, Lincoln Grain/Garvey Grain Site.** Oversaw the implementation of electrical resistance heating (ERH) as a remedial measure at in carbon tetrachloride source area at a grain elevator.

**Salina, Kansas, Bunge Grain Elevator.** Oversaw project activities including completing a vapor intrusion study of nearby homes, implementing interim measures for vapor mitigation systems of homes, evaluating routine operation and maintenance reports for a dual phase vacuum extraction system (DPVE), and evaluating plans for a hydraulic containment trench outfitted with multiple extraction wells and a vapor recovery system.

**Various, Kansas, Agriculture and Nitrate-Related Sites.** Served as project manager for multiple nitrate contaminated sites. Developed technical guidance documents for characterization and remediation of nitrate sites based upon experience at multiple sites for KDHE. Oversaw or conducted characterization activities, soil removal, and private water well surveys.

## **Environmental Site Assessments**

**Various, Kansas, Brownfields.** Conducted senior review for Phase 1 and Phase 2 Brownfields Targeted Assessments for KDHE contract projects.

**Various, Kansas, Phase 1 and Phase 2 Environmental Site Assessments.** Performed Phase 1 and Phase 2 Environmental Site Assessments for various clients to facilitate private property transactions.