

JOHN LUKE HALL, PG

GEOLOGIST | TIOGA ENVIRONMENTAL CONSULTANTS, INC.

AREAS OF EXPERTISE

- Environmental Assessment
- Environmental Remediation
- Risk Assessment
- Project Management

Luke realized his interest in environmental geology during undergraduate studies at the University of Memphis and is a professional geologist registered in Arkansas, Mississippi, and Tennessee. Luke's primary areas of practice include site assessment, risk assessment, and remediation. His goal is to provide realistic and cost efficient means to assess and remediate onsite contamination by the most practical and efficient methods available while working closely with state regulators to ensure timely closure of projects.

EDUCATION

Bachelor of Science in Geology,
The University of Memphis, 2001

Master of Science in Earth Sciences,
The University of Memphis, 2011

AFFILIATIONS / CERTIFICATIONS

Arkansas Professional Geologist #1990
Mississippi Professional Geologist #0875
Tennessee Professional Geologist #5698
HAZWOPER 40-hour
HAZWOPER Site Incident Commander
HAZWOPER Supervisor

CONTACT

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REPRESENTATIVE PROFESSIONAL EXPERIENCE

GEOLOGIST JULY 2015 – PRESENT
TIOGA ENVIRONMENTAL CONSULTANTS, INC., MEMPHIS, TN

Winchester Industrial Remediation – Memphis, TN

Geologist – Provided oversight for the excavation of approximately 90 tons of contaminated soil and concrete from an industrial building with sub-slab vapor concentrations of VOCs. Provided assistance with the creation of the Brownfield Voluntary Agreement and ongoing post-remediation confirmatory sampling.

Former Marine Hospital – Memphis, TN

Geologist- Performed a Phase II ESA and surficial soils assessment at the site and recommended entry into the Voluntary Clean-up, Oversight, and Assistance Program. Conducted a sub-slab vapor assessment and supervised excavation of contaminated surficial soils at the site. No Additional Action for the site obtained in 2019.

Fred's Inc Tankpull - Memphis

Geologist - Supervised the permanent closure of two 20,000 gallon and two 550 gallon underground storage tanks at the facility consistent with Tennessee Department of Environment and Conservation Division of Underground Storage Tank regulations.

Brownfields Site – Forrest City, AR

Geologist – Performed a Phase II ESA and Comprehensive Site Assessment at a vacant industrial manufacturing facility to allow for entry into the Arkansas Brownfield Program. Prepared CSA Workplan, coordinated utility locating, and utilized roto-sonic drilling subconsultant to install 13 soil borings and 3 monitoring wells.

Confidential School Remediation – Memphis, TN

Geologist – Provided a Phase II ESA and assisted with entrance into the TDEC Voluntary Clean-up, Oversight, and Assistance Program. Supervised installation of a retro-coat vapor barrier over the existing slab. Assisted in generation of the Brownfield Voluntary Agreement and conducts semi-annual vapor assessments to monitor the effectiveness of the vapor barrier.

Corbin Russwin Remedial Site – Clarksdale, MS

Geologist – Tioga is working as a subconsultant to Cardinal Resources for the sampling of up to forty (40) monitoring wells at the former Corbin Russwin, Inc. facility in Clarksdale MS in response to a release of TCE. Sampling for this project occurs quarterly and requires four sampling personnel for a total of 3 days to complete. Mr. Hall has worked as a team lead on this project and sampled wells on this site. In addition, Mr. Hall has performed soil assessments at the site and supervises maintenance of the soil vapor extraction system installed at the site.



GEOLOGIST JULY 2015 – PRESENT
 TIoga ENVIRONMENTAL CONSULTANTS, INC., MEMPHIS, TN

Footo Homes – Memphis, TN

Geologist – Provided a Phase II ESA and follow-up surficial soil sampling to confirm or refute the presence of contamination that may be present based upon the historical use of the property and adjacent properties. Oversaw the excavation and disposal of over 200 tons of contaminated soil.

Landfill Monitoring and Reporting – Various

Geologist – Prepare groundwater monitoring reports for landfills at various locations in West Tennessee. Install groundwater monitoring and methane monitoring wells at landfills at various landfills in West Tennessee. Prepare Alternate Source Demonstrations for various landfills in West Tennessee.

Cleveland Track Material – Memphis, TN

Geologist – Oversee weekly free product removal and bi-annual groundwater monitoring. Work with client and TDEC for additional site assessment and implementation of aggressive remediation strategies to expedite site closure. Installation of additional monitoring wells and design of remediation strategies. Performance of passive and active sub-slab vapor assessment.

Cypress Creek Channel Repair – Memphis, TN

Assisted in generation of a Health and Safety Plan to oversee concrete channel lining replacement in Cypress Creek in Memphis, TN due to previously identified contamination. Oversaw construction and replacement of the concrete channel on a daily basis and was present to act as the Site Incident Commander in the event of an accidental release.

Former Bayer Facility – Environmental Assessments

As a subconsultant conducted various environmental assessments at the site. Assessments included the collection of over 60 sub-slab vapor samples, collection of soil and groundwater samples using direct push technology, assistance with Membrane Interface Probe assessment, and sampling of existing groundwater monitoring wells.

Shelby County Schools Central Nutrition Center – Memphis, TN

Geologist – Installation and sampling of sub-slab vapor monitoring points over four years. Interpret analytical results for reporting to TDEC including comparing results to EPA Target Sub-Slab Gas Concentrations. Obtained site closure.

Methodist Le Bonheur Healthcare – Memphis, TN

Geologist – Oversaw the registration and closure of unregistered underground storage tanks discovered during building construction. Work included registering of tanks, completing application process with TDEC for tank closure and removal, supervision of tank removal and closure sampling, and final closure assessment. Site assessed using Tennessee Division of UST Risk Based Cleanup Levels.

Scrapyard Assessments – Memphis, TN

Geologist – Supervision of Environmental Site Assessments for seven scrapyards in Tennessee and Mississippi. Assessments included groundwater and soil sampling and installation of test trenches. All site assessments were performed in the span of two weeks.

Industrial Facility Phase II ESA – Southaven, MS

Geologist – Performed a Phase II Environmental Site Assessment based upon a Phase II assessment by another environmental consultant. Site had a history of contamination and remediation. Assessment activities included collecting soil samples to determine the nature and size of existing contaminant plume onsite. Site assessed using Mississippi Brownfield cleanup levels.

GEOLOGIST JUNE 2010 – JULY 2015
 SEMS, INC., MEMPHIS, TN

Mr. Hall oversaw and performed Initial Hazard Managements, Initial Site Characterizations, Corrective Action Plan designs for both excavation and dual-phase system remediation, soil-gas surveys, underground storage tank removals, soil excavations, Mobile Enhanced Multiphase Extraction high vacuum events and installed monitoring and recovery wells in Arkansas, Mississippi, Tennessee, and Alabama.

