Jonathan D. Culpepper, P.G.| Senior Geologist

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Professional Summary:

Mr. Jonathan Culpepper is a licensed Professional Geologist in multiple states, specializing in the field of subsidence investigations involving extensive travel throughout the United States. Mr. Culpepper has performed field data collection used for assessments of subsurface conditions such as geologic hazard and site suitability evaluations (buried organic materials, buried debris, expansive clay soils and sinkhole or solution feature activity). As a professional geologist, Mr. Culpepper has managed Subsidence, Cause & Origin, and Catastrophic Ground Cover Collapse investigations for some of the largest insurance carriers in Florida, Tennessee, and Pennsylvania.

Mr. Culpepper has given numerous depositions in defense of his professional opinions related to foundation differential settlement projects. As a professional geologist, Mr. Culpepper has rendered expert testimony before jury civil trials.

Mr. Culpepper's expertise includes:

- Anomalous soil conditions
- Foundation settlement
- Differential settlement remediation techniques
- Sinkhole development and impact

Licenses and Certifications:

Professional Geologist (Additional states available upon application):

Florida, 2773
Tennessee, 5911
Pennsylvania, 5291
Kentucky, 292759
Mississippi, 1008
North Carolina, 2891
Texas, 15210

Qualified Stormwater Management Inspector, Florida, Inspector #36565

Project Experience:

The sample projects here outline a small sampling of the types of projects and losses Mr. Culpepper regularly investigates. For further information or additional examples, please contact EFI Global.

Tampa Bay Water - Cypress Facility, Tampa, FL
Remediation Project Oversight
Mr. Culpepper coordinated scheduling of the deep compaction grouting work between the client and subcontractor. He assigned a technician to oversee the predetermined scope of work and relayed work-site issues to the engineer of record. Mr. Culpepper presented project updates to the client and engineer of record throughout the project. The project was successfully completed within time and budget expectations.

The Salvation Army, Madison, Wisconsin
Subsurface Watermain Break Evaluation
Determined if a subsurface waterline break impacted the soil support beneath the interior concrete floor slab, which included a visual distress evaluation and Ground Penetration Radar (GPR) survey oversight. Suspect areas were concrete cored to allow for adequate measurements.

Commercial Office Property, Conshohocken, Pennsylvania
Damage Assessment and Sinkhole Loss Investigation
Completed an interior/exterior distress evaluation and determined if a collapsed water cistern was related to sinkhole activities and if a sinkhole loss has occurred on the property. Mr. Culpepper directed and logged soil borings completed by a selected subcontractor.

Residential Property, Rochester, Minnesota
Sinkhole Investigation
Investigated if damage exist at the subject property's driveway was related to a "sinkhole collapse", as defined by insurance policy language. Mr. Culpepper directed and logged soil borings completed by a selected subcontractor.

Residential Property, Spring Hill, Florida
Catastrophic Ground Cover Collapse and Cause & Origin Evaluation
Determine the cause and origin of the reported interior flooring distress and if Catastrophic Ground Cover Collapse (CGCC) condition exists at the residence based on Florida statutes.

Center Point Business Park, Daytona Beach, Florida
Parking Lot Damage Assessment
Investigated the extent of asphalt parking lot damage caused by a diesel fuel spill on behalf of the insurance carrier. Mr. Culpepper compared previous repair estimates and determined areas impacted by the loss and recommended appropriate remediation protocols.

Degroft Manufacturing Company, Inc., Horseshoe Bend, Arkansas
Sinkhole Collapse Assessment and Geotechnical Evaluation
Determined if concrete foundation distress formed as a result of a sinkhole collapse and if distress to the manufacturing building was caused by sinkhole activity, which included a visual distress evaluation, Ground Penetration Radar (GPR) survey oversight and soil borings.

Expert Witness Testimony: Court Qualifications/Depositions/Testimony:

Mr. Culpepper has extensive experience testifying as an expert witness in depositions and trials and, he has been accepted as an expert witness in a couple jurisdictions.

**List of Expert Witness Testimony Experience is Available Upon Request*

Professional Experience:

EFI Global, Senior Geologist, 2019-present

HSA Engineers & Scientists, Staff and Project Geologist (2010-2017) (Acquired by GHD Services, Inc.)

Southern Earth Sciences, Inc., Staff Geologist, 2006-2010

Formal Education:

Master of Science, Geology, Mississippi State University, Starkville, Mississippi, 2009

Bachelor of Science, Geosciences, Mississippi State University, Starkville, Mississippi, 2006

Specialized Education/Training:

Department of Transportation (DOT), CFR 171-178 Hazardous Material Transportation Course, 2017

Resource Conservation and Recovery Act (RCRA) Hazardous Waste Management Course, 2017

CPR and First Aid certified, 2015

40 Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) trained with current 8 Hour Refresher, 2006

Publications:

"Porosity Development in Pennsylvanian Core from Table Mesa and Rattlesnake Fields, Northwestern New Mexico." Master's Thesis, Mississippi State University Department of Geosciences, May 2009. Culpepper, Jonathan D.

"Role of Organic Matter in Precipitation of Cement: Examples from Three Different Environments." AAPG Search and Discovery Article #90078, AAPG Annual Convention, 2008. Kirkland, Brenda L., Lynch, F. Leo, Folk, Robert L., Owen, Athena M., Mylroie, John E., Culpepper, Jonathan D., and Funderburk, William K.

"Nannobacteria, Big Foot, and The Loch Ness Monster: What Are You Supposed To Believe?" GSA Abstracts with Programs Vol. 37, No. 7. Geological Society of America, October 2005. Kirkland, Brenda L., Lynch, F. Leo, Culpepper, Jonathan D., Fratesi, Sarah E., Kuklinski, Richard F., Lawrence, Amanda, and Monroe, William A.

"Comparison of Porosity Development in Modern and Ancient Carbonate Rocks." GSA Southeastern Section Abstracts with Programs, 54th Annual Meeting. March 2005. Coffey, Melody R., Culpepper, Jonathan D., Gomez, Alfred D., Kelley, Kristen N., Kirkland, Brenda L., Lascu, Ioan, Taylor, Angela C., and Walker-McCullough, Lindsay N.