

# Andrew Feltman

## Senior Hydrogeologist

afeltman@shomaker.com

Mr. Feltman has more than 15 years of professional experience with a diverse background in the environmental and mineral industries. He is currently a Senior Hydrogeologist at JSAI.

**Well Construction & Development:** Drilling and construction of water monitor and extraction wells from 10 to over 2,000 ft deep, diameters up to 36 inches, in unconsolidated sediments, sedimentary rocks, and bedrock, and attendant development and equipping of wells.

**Aquifer Testing:** Pumping tests on new wells and evaluations of historic wells.

**Drilling Oversight & Geologic Interpretation:** Planning and supervision of drilling programs for water, minerals, and environmental studies, with a variety of drilling methods (rotary, reverse circulation, diamond core, auger, direct push) in excess of 10,000 ft depth, providing lithologic and structural interpretation.

**Subsurface Modeling & Cross Sections:** Construction of subsurface cross sections and 3D models of geology, hydrology, and mineral resources.

**Permitting:** Permitting of new wells (including monitor, extraction, and artesian), rehabilitation and modification/deepening of existing wells, and boreholes (sampling, exploratory) on private, state, and federal lands. Surface permitting including roads, construction, disposal, and mining.

**Construction Oversight, QA/QC:** Onsite supervision for construction projects including roads, water treatment systems, pipelines, geomembrane liners, and mining facilities. QA/QC for sampling programs including environmental studies and mineral resources.

**Environmental & Disaster Cleanup:** Surface and excavation cleanups of wildfire, oil spills, leaking underground and aboveground tanks, and PCB's.

**Subsurface Remediation Systems:** Installation and operation of subsurface water remediation and soil vapor extraction systems for removal of hydrocarbons.

**Groundwater Monitoring:** Sampling of wells including nested piezometers and discrete interval sampling, at fuel sites, mines, and municipalities.

**Detailed Site Investigation:** Detailed site investigations for clients including state governments and DOT, including record searches, soil borings, groundwater sampling, and geophysical surveys.

**Geophysical Interpretation:** Interpretation of geophysical logs from boreholes drilled through unconsolidated sediments, sedimentary rocks, and volcanic rocks. Interpretation of geologic structures from various geophysical methods, including ground penetrating radar, electromagnetic, seismic, and gravity surveys.

**Regulatory:** Former employee of SD Dept. of Environment & Natural Resources; approved mineral permits, inspected petroleum operations, oversaw environmental cleanups, developed regulations, and conducted mechanical integrity testing of injection wells.

### EDUCATION

B.S., Geology, 2001  
University of South Alabama  
Mobile, Alabama

### AFFILIATIONS

American Institute of  
Professional Geologists

American Exploration &  
Mining Association

Society for Mining Metallurgy  
and Exploration

### CERTIFICATIONS

HAZWOPER (29 CFR 1910.120)

HAZWOPER Supervisor  
(29 CFR 1910.120[e][4])

MSHA (30 CFR Part 48)  
Surface and Underground