BRIAN L. GOULD

Education

BS – Geology, Washington State University, 1999
BA – Anthropology, Washington State University, 1999

Specialty Certifications

OSHA Hazardous Waste Site Investigation
OSHA Construction Safety and Health
AHERA Certified Asbestos Building Inspector, Management Planner, and Contractor Supervisor
FAA Part 107 UAS Remote Pilot

Professional Affiliations

National Ground Water Association

Professional Experience

Mr. Gould has been performing environmental and solid waste management projects for over 18 years. He has experience in Phase I and II Environmental Site Assessments (ESAs) of commercial and agricultural sites, remedial activities at hazardous and non-hazardous project sites, and landfill investigations. This includes historical and regulatory research; collection of soil, groundwater, landfill gas, and suspect asbestos or lead-containing material samples; supervision of subcontractors; health and safety compliance; data management; interpretation of laboratory analytical results; remediation oversight; and technical report preparation.

Environmental Diligence

Landfill Gas Recovery and Venting, AZ and CO. Mr. Gould supervised the installation of small- and large-diameter landfill gas recovery and vent wells and multi-zone monitoring probes located at various landfills in Arizona and Colorado. He supervised the operation of a push-probe drill rig and collected vapor samples at various landfills. He provided oversight, documentation, mapping, and closure sampling for removal of solid waste landfills located in Maricopa and Chandler, AZ, as well.

Municipalities and State of Arizona, Phase I and Phase II ESAs and Asbestos Surveys Annual Contracts, AZ. Mr. Gould performed numerous Phase I and Phase II ESAs and asbestos surveys for the Cities of Phoenix, Chandler, Tucson, and Mesa, and the State of Arizona. The work included commercial, residential, agricultural, and vacant parcels for street construction, urban renewal, and other types of projects. He performed site reconnaissance, extensive history searches, and regulatory records reviews. He also prepared technical reports. Phase II ESA tasks included soil borings at a former service station, excavations at former residences and commercial properties, collection of soil samples, oversight during removal of hazardous waste materials from a property, etc. Asbestos surveys and abatement oversight were performed at properties prior to demolition of structures, including collection of samples, oversight of abatement contractor activities, visual

clearance of abated areas, collection of perimeter and area air samples and clearance samples, documentation of site activities, and preparation of technical reports.

County of Maricopa, Landfill Vapor Assessment, Cave Creek, AZ. Mr. Gould performed the installation and periodic sampling of nested, multi-depth vapor monitoring probes at the Cave Creek Landfill, to evaluate the potential presence of volatile organic compounds (VOCs) beneath the landfill. He also performed monitoring of existing perimeter landfill gas monitoring probes.

Leaking Underground Storage Tank (LUST) Remediation, AZ. Mr. Gould supervised the installation of six monitoring wells and four treatment wells, including one monitoring well located in an ecologically sensitive riparian area near Sycamore Creek. He supervised the drilling of soil borings and collected characterization soil samples. He also coordinated the excavation of petroleum-contaminated fractured bedrock and performed verification soil sampling. He performed the installation, operation, and maintenance of an in-situ Oxygen Curtain (iSOC) bioremediation system. He also performed free product removal from groundwater, groundwater monitoring, sample collection, and periodic reporting.

Gasoline Service Station Facilities, AZ and CA. Mr. Gould supervised the installation of monitoring wells at gasoline service station facilities in Arizona and California. He managed the installation of soil vapor extraction (SVE) systems at gasoline service stations throughout Arizona, in addition to managing operation and maintenance (O&M) of the systems. He conducted groundwater monitoring, sample collection, and periodic reporting for gasoline service station facilities in Arizona and California as well. He sampled drywells at service stations throughout Arizona, and prepared drywell registration forms and Type 2.04 permits.

Groundwater Well Abandonment, AZ. Mr. Gould supervised the abandonment of monitoring, domestic, irrigation, and dry wells located at commercial, residential, and government-owned properties in Arizona. He prepared and submitted required paperwork with the Arizona Department of Water Resources.

Drywell Sampling for Aquifer Protection Permit (APP) Applications, Mesa, AZ. Mr. Gould performed settling chamber sampling for the permitting of nine drywells located at an airbag actuator manufacturing facility. He evaluated chemical use and waste generation to develop sampling methodology, and prepared APP applications for each drywell.

State Superfund Site Groundwater Sampling, Phoenix, AZ. Mr. Gould performed groundwater sampling at a State Superfund Preliminary Investigation site, which included the collection of GPS coordinates for each well, monitoring VOCs in wellheads with a photoionization detector, collecting depth-to-groundwater measurements, and collecting groundwater sampling using micropurge and low-flow sampling techniques.

Bureau of Indian Affairs Facilities, Subsurface Investigations, AZ. Mr. Gould performed subsurface investigations at three Bureau of Indian Affairs (BIA) facilities, including Window Rock Headquarters, Wide Ruins Community School, and Kaibeto Boarding School. He supervised the operation of push-probe and hollow-stem auger drill rigs, in addition to conducting field-screened soil cores and soil samples utilizing a photoionization detector and Dexsil PetroFlag hydrocarbon analysis system. Lastly, he supervised the installation of four monitoring wells at the Wide Ruins Community School.

Allied Waste Red Mountain Facility, Mesa, AZ. Mr. Gould performed sampling and annual inspection of drywells at the facility. Various tasks performed for the project included collection of soil samples from the drywells for laboratory analysis, annual inspections, and preparation of a site-specific storm water flow map.