

**ERIC P. BUNNELL, PE, PG**  
**Senior Environmental Engineer**

**EDUCATION**

M.S. Geological Engineering, Colorado School of Mines  
B.S. Geological Engineering, University of Missouri-Rolla

**REGISTRATION/CERTIFICATION**

Professional Engineer, Colorado and New Mexico  
Professional Geologist, Texas  
Nuclear Density Gauge Use Certification  
US Army Corp of Engineers Construction Quality Management for Contractors Certification

**EXPERIENCE**

Senior Environmental Engineer, Slosky & Company, Inc., 2018 – present

Environmental Engineer, AECOM/URS, 2005-2018

Staff Engineer, Burns & McDonnell, 2000-2005

Staff Engineer, CTC-Geoteck, 1999

**Project Management:**

Managed well abandonment projects, and in the process managed tailing spill cleanups involving the removal of PCB impacted soil. Coordinated with the client, landowners, and subcontractors/contractors, and oversaw the activities of subcontractors/contractors, producing deliverables, and reviewing invoices.

Provided assistant project management support on remediation and groundwater sampling projects including cost tracking and reviewing invoices, project proposals and cost estimates for remediation, groundwater monitoring, and hydrogeologic/subsurface characterizations.

**Remediation:**

Assisted and led the installation of high-performance hydrocarbon skimmers in monitoring wells in Texas, and performed pump tests for these systems; installed and operated passive remediation canisters; performed monthly to quarterly O&M on all of these systems, including adjusting systems in the field.

Observed the installation of numerous extraction wells for two-phase extraction remediation systems in Wyoming; performed weekly O&M on a two-phase extraction system, including startup and winterization activities. Provided remedial construction oversight during the installation of a cover over a former evaporation pond at this same site; oversaw multiple contractors, groundwater sampling, and adjusting of the remediation system in the field; designed and led a bid walk for descaling activities of the remediation system, and observed descaling activities.

#### Hydrogeologic Experience:

Provided periodic groundwater sampling, data evaluation, and reporting; including the installation and collection of passive diffusion bag samplers, production of groundwater contour maps and chemical isoconcentration maps at several sites. More in-depth studies at these sites included hydrogeologic testing (pump tests), free product sampling and free product bail down tests, biotrap installation and retrieval, oversight of water supply, well and piezometer abandonments and installations. Assisted a senior engineer in defining the water treatment capabilities of a natural gas plant, more specifically, the gains and losses in the system to the underlying aquifer. Has overseen numerous monitoring well installations (primarily with hollow stem auger drilling techniques), including installation of 330-foot wells with mud and air rotary drilling. The results of these investigations have been used in the determination of future site characterization activities, remedial alternatives, and site closure.

#### Subsurface Soil Investigations:

Oversight of soil sampling with cone penetrometer, drilling and direct-push technologies. Logged soil samples for lithology, and collected soil samples for chemical analysis (mainly hydrocarbon and chromium) in support of site characterization investigations at numerous sites.

Provided oversight for a cone penetrometer crew which used a Rapid Optical Screening Tool to characterize a site for hydrocarbon contamination; sampling lead for soil gas surveys using GORE SORBER® sampling modules.

Field team lead for a sampling event at a natural gas plant in Wyoming, consisting of advancing borings with an air knife and collecting the samples with a hand auger for metals, VOCs, SVOCs, and other analytes. Results of this investigation were used to determine future characterization activities.

Observed drilling and pumping test activities associated with water supply wells for a proposed power facility. Results of these activities were used in the design of a new facility.

## Sampling Team Lead:

Extensive experience as a principal and leader for sampling teams at contaminated sites throughout the United States:

- collected groundwater samples from monitoring wells at an active mine site; collected surface soil, stock, and excavation samples from an interim soil cover at a tailings repository and the mill for PCB, metals and sulfate analysis;
- observed piezometer installation with roto-sonic drilling technology at three different sites within the Fraser Valley, resulting in the determination of the conceptual hydrogeologic model of the area that was used to justify current water uses;
- worked on a team that collected surface soil and groundwater samples in background areas around a closed uranium mine to test for radionuclides, and other analytes for purposes of site characterization;
- served as a sampling team lead during environmental sampling of the production fluids and flow back fluids created by fracturing;
- served as sampling team lead during environmental sampling of an area impacted by a commercial airline mishap;
- served as staff engineer providing observations during cone penetration testing (CPT), and deep well installation (roto-sonic technology) with the use of blowout preventer above an underground natural gas storage facility which had recently been breached;
- oversaw the installation of piezometers to depths greater than 200 feet in tailing dams as part of a geotechnical investigation, and assisted in the project deliverables resulting in the design for the expansion of the tailing facility;
- sampling team lead during soil sampling performed to satisfy Nuclear Regulatory Commission radionuclide delineation requirements;
- served as field site manager during the remedial investigation of a superfund site under Oklahoma Department of Environmental Quality (ODEQ) and EPA oversight;
- provided remedial oversight during cleanup of mercury spills from gas meters for a utility company;

- served as staff engineer providing assistance to Kansas City Board of Public Utilities staff in performing various tasks at power plants, water treatment facilities, and storage facilities;
- served as staff engineer overseeing the removal of several UST's and AST's for municipal, aviation, and oil and gas clients.

## **SPECIALIZED TRAINING**

MSHA 24-Hour Surface Mine Training and Annual 8-Hour Refresher

OSHA 40-Hour HAZWOP and 8-Hour Refresher

OSHA Waste Site Supervisor Training

Geology Field Camp