

Appendix H
Qualifications of Environmental Professionals

JAMES G. RITCHIE, P.G., QSD**Project Director – Northern California Environmental Services Group Leader****Education**

M.S. – Geology,
University of Colorado,
Boulder, 1985

B.A. – Geology,
University of California,
Santa Barbara, 1980

**License, Certifications,
and Trainings**

Red Cross First Aid/CPR
Training

Security Clearance, SFO,
Airfield Side, 2000

Emergency Response,
Incident Commander
Training

Loss Prevention System

8-hour OSHA Supervisor
(29 CFR 1910.120)

8-hour annual refresher
(29 CFR 1910.120)

40-hour OSHA
HAZWOPER

Former California
Registered Environmental
Assessor I

California Registered
Professional Geologist
4974

Qualified Storm Water
Pollution Prevention Plan
Developer G0 4974

Professional Experience

Mr. Ritchie has more than 33 years of environmental consulting and site restoration experience throughout the Western United States. He has led Phase I and Phase II site investigations, remediation, and multiple-site programs on behalf of public and private sector clients, overseeing multi-disciplinary teams of company personnel, teaming partners, and subcontractors. He has also developed and led an on-call, rapid response program consisting of around the clock availability for responses to fuel and chemical spills and releases in the western United States. He has worked collaboratively with clients, technical teams, and myriad local, state, and federal regulatory agencies to identify and accomplish short- and long-term goals and solutions.

Phase I ESAs. Performed comprehensive due diligence services according to ASTM 1527 standards and in accordance with All Appropriate Inquiry (AAI) protocol for clients involved in the sale and acquisition of properties throughout the San Francisco Bay Area and Northern California. The Environmental Site Assessment (ESA) work has been performed from 1989 to present, following standards and protocol applicable at the time of work. Currently performing ESAs for single sites and portfolios of properties in accordance with the ASTM-1527-13 standard and with AAI.

Phase II ESAs, Site Remediation and Site Closure. Conducted Phase II investigations, remediation and closure of LUST, dry cleaner, Brownfield and NPL sites in California, Oregon, and Washington. Project sites have included refineries, service stations, dry cleaners, commercial developments, industrial facilities, Brownfield redevelopment project sites, airports, landfills and military installations. Projects have included the range of document preparation including work plans, CAPs, RAPs, RI/FS, Risk Assessments, and Completion Reports. Work has included implementation of Phase II work plans to assess impacts to indoor air, soil vapor, soil, and groundwater. Assessment techniques have included advancement of soil vapor probes and wells, soil borings, groundwater monitoring wells, groundwater and vapor extraction wells, using direct push, hollow stem auger, CPT/MIP, UV and LIF ROST methods.

Remediation techniques have included soils removal, in-situ soil treatment, groundwater extraction and treatment, soil vapor/dual phase extraction, in-situ chemical oxidation and in-situ enhanced bioremediation among others.

The work has resulted in regulatory agency approval and closures by the DTSC, RWQCB, and various local oversight program agencies for numerous private and public agencies. The closures have followed SWRCB guidance, DTSC and RWQCB voluntary cleanup agreement criteria, low threat closure criteria, California Bond Expenditure Plan (BEP or State Superfund) criteria, and low threat chlorinated solvent guidance.

PAUL WISNIEWSKI, PG, QSD/QSP

Phase I and Phase II ESAs

Education

M.S. – Geology (Fluvial Geomorphology), University of New Mexico, 1999

B.A. – Government, College of William & Mary, 1994

License, Certifications, and Trainings

Professional Geologist – California (No. 7543)

Real Estate Broker – California (No. 01817768)

Qualified SWPPP Practitioner (QSP) – California (No. 00423)

Qualified SWPPP Developer (QSD) – California (No. G07543)

40-hour OSHA/RCRA Hazardous Waste Operations and Emergency Response (HAZWOPER) Standard and 8-hour annual refresher courses

Professional Experience

Mr. Wisniewski is geologist with over 16 years of professional experience in the environmental, geologic and geomorphic consulting fields. His professional experience includes: Phase I and Phase II Environmental Site Assessments (ESAs), Corrective Action Plans (CAPs), Remedial Action Plans (RAPs), soil vapor and indoor air quality investigations, soil and groundwater investigations, and remediation of Underground Storage Tank (UST), Brownfield, and dry cleaner sites, groundwater monitoring programs for UST sites, biosolid disposal, and wastewater sites, geotechnical investigations for civil engineering projects, watershed and stream channel assessments, geomorphic investigations, and geologic hazard evaluations. Mr. Wisniewski has conducted professional work in California, Utah, Nevada, and New Mexico for a wide spectrum of public and private clientele.

Phase I ESAs. Prepared ASTM E1527-05/13 and AAI compliant Phase I ESAs for public and private entities including: US Bank, Key Bank, City of West Sacramento, West Sacramento Area Flood Control Agency, Bridge Housing Corporation, Burbank Housing Corporation, Napa Valley Community Housing, Security National, and Lixit Corporation. Historical site uses included industrial shipping, gas stations, lumber and grain mill sites, manufacturing facilities, retail shopping centers, multi-family residential developments, and agricultural and ranching lands.

Phase II ESAs. Conducted Phase II investigations for dozens of UST, dry cleaner, and Brownfield sites in northern California, including those for gas stations, dry cleaner sites, lumber mill sites, industrial facilities, automobile dismantling facilities, junk yards, and scrap metal recycling facilities. Results included preparation and implementation of workplans to assess impacts to soil, soil vapor, groundwater, and indoor air, Corrective Action Plans (CAPs), Remedial Action Plans (RAPs), UST removal workplans, soil vapor surveys (SVSs), sensitive receptor surveys, soil and groundwater management plans, and deed restrictions.

Project Manager for Eel River Sawmills site, Rio Dell, California.

Prepared Phase II documents, including subsurface investigation workplans, well installation workplans, and reports of investigation for a 45-acre Brownfield site. Results included the installation and upgrade a monitoring well network and a remedial excavation to remove soil impacted with chlorophenols including pentachlorophenol (PCP), petroleum hydrocarbons, and dioxins/furans. Co-authored a successful EPA Brownfield Assessment Grant on behalf of the City of Rio Dell to obtain \$400,000 in funding for assessment work.

Project Manager for dry cleaner site, Novato, California. Prepared workplans and conducted multiple soil vapor and indoor air quality assessments to assess the extent of tetrachloroethylene (PCE) and trichloroethylene (TCE) and other chlorinated solvent impacts beneath a retail shopping center and to evaluate the health risks to its occupants. Facilitated facility improvements including HVAC system upgrades and interior retail space partitioning to successfully mitigate indoor air impacts from PCE/TCE.