



Education

MS, 1980, Engineering (Groundwater),
Washington State University

BA, 1974, Geology, University of New
Hampshire

Ph.D. Studies, 1982, Mining Engineering,
University of Idaho

Registrations

Professional Geologist – 2002, New
Hampshire, #00219

Professional Geologist – 1990, Maine,
#GE258

Professional Geologist – 2018, New
York, #00-1060-1

Areas of Specialization

- Hydrogeology
- Cost Allocation
- Brownfields' Redevelopment
- Forensic Field Studies
- Fate and Transport of Contaminants
- CERCLA Sites
- Remediation

Work History

Senior Consultant, CALEX Environmental,
LLC, 2020 – present.

Senior Consultant, GZA GeoEnvironmental,
Inc., 2017-2020

Senior Principal, Terracon Consultants, Inc.,
2013-2017

Founder and President, New England
EnviroStrategies Inc., 2007-2013

Sr. Vice President, Haley & Aldrich, Inc., 1996
– 2007

Vice President and Branch Manager, GEI
Consultants, Inc., 1986 – 1996

Head, Hydrogeological Investigation Unit,
Water Supply & Pollution Control
Commission, 1983-1986

Instructor Hydrogeology and Assistant Prof.
Geol. Engineering, U. of Idaho, 1978 – 1982

RESUME - Muriel S. Robinette, P.G.

Senior Consultant

Summary of Experience

Ms. Robinette serves as a senior environmental consultant and hydrogeologist with Calex Environmental from their Colebrook, New Hampshire office. She is responsible for technical strategy development and management of forensics, redevelopment, and remediation projects. Ms. Robinette has extensive experience in designing and implementing forensic field studies for evaluation of contaminant impacts to environmental media in support of source identification and fate and transport of various contaminants. She has served as consultant to many PRP groups addressing CERCLA liability and as a testifying expert for numerous cases involving contaminant source determination, cost allocation and site remediation.

Example Projects

Officer-in-charge, RCRA Corrective Action, Omaha, Nebraska. Voluntary Interim Measure and final remedy negotiation, construction and implementation at former RCRA TSDF. Interim source control measure included dual phase extraction for removal of toluene, with final MNA remedy for groundwater.

Officer-in-Charge, Portland Pipeline Release, Sutton, Vermont. Field forensics performed on pump station release and alleged regional contamination. Database development, chemical fingerprinting and statistical analyses, expert report developed regarding remedial and natural resources damages. Matter settled.

Officer-in-Charge, PCB Soil Remediation, Former Nashua Corporation, Merrimack, New Hampshire. Work Plan, Investigation and negotiations with EPA (TSCA) regarding Self Implementing Cleanup Plan (SIP) for PCB contaminated soil resulting from UST release.

Testifying Expert, Remediation of Bulk Oil Storage Site, Manchester, Vermont. Developed expert opinion, affidavits and provided deposition regarding site characterization, remedial approach and cost claims for residual petroleum cleanup at former bulk fuel oil storage and distribution site.

Project Officer, Messer Street MGP Site Remediation and Expert Testimony, Laconia, New Hampshire. Former historical MGP operations required investigation and remediation due to releases to the Winnepesaukee River. Project required ACOE permitting, sub aqueous coal tar mapping, evaluation of interim remedial measures for PAHs, risk assessment, Remedial Action Plan (RAP), remedial construction and long term O&M, plus deposition and court testimony in insurance claim case.

Testifying expert, Schiavone Scrap Metal Site, North Haven, Connecticut. Developed and defended a cost allocation for a major utility, rebutting plaintiffs' claim regarding widespread PCB contamination in soil. NAPL and wetlands impacts at a scrap yard recycling facility were allegedly contaminated from transformer oils.

Testifying Expert, Cost Allocation and Divisibility, Davis Liquid Waste NPL Site, Smithfield, Rhode Island. Deposition and court testimony in front of Federal judge were provided regarding nature and types of contaminants and how they contribute to the site's overall liability.

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Officer-in-Charge, Missouri Electric Works NPL Site, Cape Girardeau, Missouri. Innovative technology (ISTD) pilot demonstration at a PCB-contaminated site for a utility PRP consortium. Responsible for work plans, regulatory interactions, field health and safety, QA/QC and expanding the Insitu Thermal Desorption (ISTD) TSCA permit.

Officer-in-Charge, DNAPL Evaluation/Remediation, Confidential Industrial Site, Omaha, Nebraska. Investigation, pilot testing and remedial design of active industrial site faced with chlorinated solvent DNAPL source. Insitu funnel/gate technology with zero ZVI is final remedy coupled with dual phase extraction and long term O & M.

Testifying Expert, Laurel Park and Beacon Heights NPL Landfills, Naugatuck and Beacon Falls, Connecticut. Developed cost allocation model which fairly accounts for more than 100 waste streams which were cost drivers to the CERCLA remedy components, including toxicity, mobility, and persistence characteristics. Expert opinions and models prepared with more than 6 weeks of expert testimony in fact finding case for Special Master

Senior Project Manager, Bennington Landfill NPL Site, Bennington, Vermont. Technically evaluated waste stream contributions to landfill and determined cost drivers to remedy. Performed focused feasibility evaluation of leachate treatment for PCBs and disposal options, and gas treatment and O&M costs for remedial action. Managed Natural Resource Damages negotiation, SOW development and oversaw successful implementation of wetlands mitigation measures.

Officer-in-Charge, Motorola NPL Site OU2, Phoenix, Arizona. Workplan negotiation and performance of focused Remedial Investigation of potential soil source areas affecting indoor air quality within groundwater plume of NPL site.

Testifying Expert, PCB Contamination, Port/Airport Site, San Diego, California. Evaluated 44-acre former aircraft manufacturing facility which operated between the 1920's and 2000. PCB source materials and migration in multiple storm sewers were evaluated, coupled with soil and groundwater contamination from VOCs, metals and PAHs. GIS database tool developed for use in successful mediation.

Testifying Expert, Tire Fire Forensics, Port St Lucie, Florida. Environmental field forensics at location of tire fire at recycling facility in Florida on behalf of insurers. Quantified fuel and prepared expert report.

Testifying Expert, Forensic Evaluations and Cost Allocation, Centredale Manor NPL Site, Rhode Island. Evaluation, historical topographic development and 3D visualization modeling completed to present a comprehensive conceptual site model for this (2,3,7,8-TCDD) driven site that encompassing acres of source area, ponds and flood plains.

Testifying Expert, Groundwater Contamination NPL site, Peterborough, New Hampshire. Jury trial regarding property damage claim of downgradient property owner from Superfund site. Trial efforts included review of existing information, preparation of expert opinion, depositions, and trial testimony, which included DNAPL demonstration for jury.

Senior Project Manager, Cost Allocation, Parker Landfill NPL Site, Vermont. Technical evaluation of waste stream contributions to landfill and determination of cost drivers to remedy. Assisted PRP Group with cost allocation negotiations and developed quantitative model for allocation computations.

Senior project manager, Remedial Action Oversight, Hedblum Industries Superfund Site, Michigan. Technical support and oversight of RD/RA contractor for remediation of industrial site. Technical expert on negotiations with EPA regarding accuracy of past studies and associated costs. Successfully reduced past costs on basis on NCP inconsistency.

Testifying Expert, Connor Homes site, Middlebury, Vermont. Forensics specialist and deposition for TCE and fuel oil contaminated former printing facility where remediation required both source control and vapor intrusion technologies. Performed forensic investigations to define and age source releases, developed conceptual site model and assisted in cost recovery actions against former owner.

Testifying Expert, DNAPL Contamination due to Fire Response, PAK 2000 site, Melvin Village, New Hampshire.

Expert opinion developed and deposition in case involving chlorinated solvent contamination, DNAPL and migration pathways. Opinions were rendered regarding overburden and bedrock water supplies, contaminant flow paths and insitu natural attenuation site parameters affecting contaminant half lives. 3-D computer site models and physical DNAPL demonstration were developed for visual aids. Case settled during trial.