



Miles E. Waite, PhD, PG

**Principal Hydrogeologist &
Licensed Designer**

EDUCATION

Ph.D., Geology, University of Colorado (1998)

B.A., Environmental Studies, minor in Geology,
University of Vermont (1991)

PROFESSIONAL EXPERIENCE

Principal Hydrogeologist (2012–Present)

Waite-Heindel Environmental Management

Principal Hydrogeologist (2003–2012)

Waite Environmental Management, LLC

Senior Hydrogeologist (2001–2003)

Griffin International, Inc.

Senior Hydrogeologist (1998–2001)

Heindel and Noyes, Inc.

Staff Geologist (1991–1993)

McCulley, Frick, & Gilman

LICENSES & CERTIFICATIONS

Professional Geologist: NH (#745), NY (#1004)

VT Licensed Designer Type BW (#152.0126365)

VT Certified Class 2 Water System Operator

OSHA 40-Hour HAZWOPER

PROFESSIONAL AFFILIATIONS

Board Member – VT Environmental Consortium

Board Member – Burlington Conservation Board

Conservation Member – Chittenden County RPC

Member – National Groundwater Association

Member – American Institute of Prof. Geologists

Member – Lake Champlain Regional Chamber of
Commerce

SELECT PUBLICATIONS

Gaynor, Deborah, **M. Waite**, G. Noyes, and K. McCracken,
*Working Together: How Effective Teamwork Improved the
Quality and Usability of Air Monitoring Data*, paper
presented at the National Environmental Monitoring
Conference, Washington, D. C., August 2010.

Waite, Miles E. and Deborah Gaynor, *Anticipating Data
Needs for a Brownfields Site Assessment*, New England's
Environment, vol. 10, no. 2, March/April 2004.

Waite, Miles E., S. Ge., and H. Spetzler. *A New Conceptual
Model for Fluid Flow in Discrete Fractures: An Experimental
and Numerical Study*, Journal of Geophysical Research, vol.
104, no. B6, pp.13049-13059, June 1999.

PROFESSIONAL BIOGRAPHY

Dr. Waite has been working in the environmental consulting industry for over 30 years. He is the owner of Waite-Heindel Environmental Management and oversees all company operations. A portion of his workload includes clean water hydrogeology, where his areas of expertise include hydrogeologic investigations, water supply siting and permitting, wastewater system design and permitting, stormwater flow and drainage studies, and land development (Act 250) permitting. He is just as frequently involved in contaminant projects, where he conducts environmental site assessments, Brownfields site assessments and contaminated site redevelopment, contaminated soil and groundwater management, remediation system design and installation, soil vapor intrusion evaluations, indoor air quality testing, and air sampling for PCBs in schools and commercial buildings.

QUALIFICATIONS & RECENT RELEVANT EXPERIENCE

Drinking Water Hydrogeology

Principal Hydrogeologist involved with over 50 Source Protection Plans, preparation of water system Operations & Maintenance Plans, Lead and Copper Plans, Corrosion Control Plans, and general water system compliance sampling. Most recently assisted a large commercial building owner conduct water quality testing for an office in accordance with General Services Administration (GSA) requirements. Also involved in supporting WHEM's new public water source siting, testing and evaluation projects. As a Vermont Licensed Designer, has sited and permitted numerous private wells for property owners, which includes hydrogeological review, source isolation zone delineation, and abutting landowner notification to support these projects.

Expert Testimony

Expert Hydrogeologist in depositions and court providing testimony on physical and chemical hydrogeology consistent with local, state, and federal laws. Has provided expert testimony for plaintiffs, defendants, and appellants, including individuals, businesses, and municipalities. Subject matter of several recent court cases includes: adequacy and compliance of system designs for drinking water, wastewater, and stormwater (multiple cases); potential contamination of drinking water supplies; groundwater flow and connectivity, relating to groundwater intrusion into homes (multiple cases); and review and development of cost estimates in a hearing for recovery of State of Vermont funds used on environmental testing and cleanup.

Brownfields Redevelopment

Principal Hydrogeologist in charge of development and implementation of corrective actions plans at Brownfield properties in support of actual contaminant cleanup and redevelopment. Recent Brownfields projects include Phase I and Phase II ESA investigations in Burlington for the Memorial Block LLC for a block-wide redevelopment in support of 200+ residential units and 100-room hotel, removal of contaminated soil during the redevelopment of City Hall Park in Burlington, and design and installation of a sub-slab depressurization system (SSDS) at a property contaminated with chlorinated hydrocarbons to support the installation of storage units and solar arrays. Contaminants of concern successfully remediated include