



Creder Associates LLC

## Richard S. Vandenberg CG, PG Senior Hydrogeologist/Senior Geologist/Brownfields QC Manager

### PROFESSIONAL REGISTRATIONS

ME Certified Geologist #GE452  
NH Prof. Geologist #52

### TRAINING

- ▲ 40-hour, OSHA 29 CFR 1910.120 Hazardous Waste Health and Safety Course and Refresher Course
- ▲ 8-hour, OSHA 29 CFR 1910.120 Hazardous Waste Supervisor Health and Safety Course
- ▲ 2-hour OSHA 29 CFR 1910.120 Confined Space Entrant, Attendant and Supervisor
- ▲ ASTM Phase I/II ESA Training

### EDUCATION & PROFESSIONAL ACTIVITIES

- ▲ Bachelor of Arts in Geology/Chemistry. University of Maine, Farmington, Maine, 1987.
- ▲ Graduate work, Fort Hays State University, Hays, Kansas 1987 - 1989.
- ▲ ASTM 1527-05 Task Group Member
- ▲ New Hampshire Geological Society
- ▲ Environmental Business Council (EBC) NH Chapter Leadership Committee

### HIGHLIGHTS OF EXPERIENCE

Mr. Vandenberg is a Senior Hydrogeologist with Creder Associates, LLC with over 28 years' experience in assessment, investigation, remediation of petroleum and hazardous waste, and development of water supplies. Mr. Vandenberg has managed numerous compliance, assessment, investigation, and remediation projects including Phase I and Phase II environmental site assessments (ESAs), remedial investigations, remedial action planning, 3-D groundwater flow and contaminant transport modeling, groundwater extraction and treatment system design, soil vapor extraction design, soil removals, and in-situ chemical oxidation projects for clients across New England. In addition, Mr. Vandenberg has also developed water supplies for communities and commercial/industrial water users in New Hampshire, Vermont, and Massachusetts.

### BROWFIELDS PROJECTS:

Mr. Vandenberg has managed and provided Quality Control (QC) for Phase I and Phase II assessment and investigation activities on numerous EPA-funded Brownfields programs. This work included review of Quality Assurance Project Plan Addendums detailing all investigation, sampling, and analytical testing activities that were submitted to, and approved by state regulators and EPA. Additional activities at Brownfields sites included the development of conceptual site models, completion of redevelopment feasibility studies, and the characterization and remediation of contaminated media. Mr. Vandenberg's program specific and project specific work is detailed below:

#### City of Gloucester Brownfields - Massachusetts

Mr. Vandenberg provided QC lead on projects on four (4) waterfront properties for the City of Gloucester, Massachusetts. Responsibilities included directing field staff, executing the scope of work, report preparation, and technical review of the assessment documents.

#### Groundwork Lawrence Brownfields - Massachusetts

Mr. Vandenberg prepared an Analysis of Brownfields Cleanup Alternatives (ABCA) for a large mill property in Lawrence, Massachusetts. Responsibilities included directing field staff, executing the scope of work, and report preparation

#### Brownfields Cleanup

Mr. Vandenberg has provided QA/QC technical review of many Brownfields projects utilizing revolving loan funds and EPA Brownfields Cleanup Grants. Responsibilities have included the preparation of Analysis of Brownfields Cleanup Alternatives/Remediation Feasibility Studies, VRAP applications and work plans, remediation plans, bidding specifications, remediation reports, and state and federal reporting. Representative remediation projects include:

- Aerofab, Sanford, ME (Phoenix Award 2014)
- Eelwier Road, Pittsfield, ME
- Sanford Mill, Sanford, ME
- N. Berwick Woolen Mill, N. Berwick, ME Phoenix Award 2011)
- Eastern Fine Paper, Brewer, ME (Phoenix Award 2009)
- Nashua Mfg. Boiler House, Nashua, NH
- The Mill at Saco Falls, Biddeford, ME

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**Prime Tanning Demolition, Berwick, Maine**

Mr. Vandenberg managed the demolition design of the Berwick Prime Tanning Site on behalf of others. This work involved the technical demolition of the approximately 4 acres of building on the 7-acre property. Mr. Vandenberg's provided technical review of the design drawings, technical specifications and contractor submittals. Mr. Vandenberg also provided extensive contractor oversight during execution of the project and attended numerous public meetings to do public engagement and outreach during the year-long demolition process.

**Breton Cleaners, Somersworth, New Hampshire**

Mr. Vandenberg provided QC support for the demolition and supplemental characterization during execution of a \$200,000 EPA cleanup grant. The building, which is adjacent to the Salmon Falls River, was demolished in November 2017 and a permanent cover system was placed over the site to protect future site occupants from chlorinated solvent contamination at the Site. The City of Somersworth plans is redeveloping the property into a park.

**Southern New Hampshire Regional Planning Commission – New Hampshire**

Project management and QC lead for the Southern New Hampshire Planning Commission (SNHPC) Hazardous Substance and Petroleum Brownfields Assessment Program. Project includes the inventory of over 200 potential Brownfield sites located within the region, prioritization and selection of sites for Environmental Assessment activities, and completion of Phase I and Phase II investigations, UST removals, remediation planning, reuse planning, and implementation of remedial actions. Tasks include development of scope of work, senior technical review of reports, project coordination, property owner education, facilitation of stakeholder meetings, regulatory agency interface, site reconnaissance visits, site master planning, and remedial alternative oversight. Properties assessed or currently being assessed as part of the program includes the following:

- Rivers Edge II (former warehouse)
- Manchester, New Hampshire
- Fred's Auto, Candia
- Creamery site, Manchester
- Manchester Transit Authority, Manchester
- Gentle Slopes Property, Goffstown
- Granite Landing Property, Manchester
- Benchmark Property, Goffstown

**Upper Valley Lakes Sunapee Regional Planning Commission – New Hampshire**

Program QC technical review for the Upper Valley Lakes Sunapee Regional Planning Commission (UVLSRPC) Brownfields Assessment Program. Mr. Vandenberg has worked on the following UVLSRPC sites:

- Suzor Court Property, Lebanon
- Jolly Farmer Property, Lempster
- 20 Spencer Street Property, Lebanon
- Ambargis Mill, Newport

**Southern Maine Planning & Development – Maine**

Project Management and Program QC technical review for the Southern Maine Planning & Development (SMPD) Brownfields Assessment Program. Tasks have included development of scope of work, senior technical review of reports, project coordination, property owner education, regulatory agency interface, site reconnaissance visits, site master planning, and remedial alternative oversight. Also assisted SMRPC in obtaining five EPA Brownfields Assessment Grant (\$600k hazardous substance, \$400k petroleum), EPA Brownfields Cleanup Grant (\$200k for North Berwick Woolen Mill), and EPA Brownfields Remediation Revolving Loan Fund (\$2 million). Properties assessed or currently being assessed as part of program includes the following:

- Marble Block Building, Biddeford
- North Berwick Woolen Mill, North Berwick
- Lincoln Mill, Biddeford
- Kittery Pier Site, Kittery
- Stenton Trust Mill, Sanford
- North Dam Mill, Biddeford
- Riverdam Mill, Biddeford
- Former Highland Towing, York

