



Crede Associates LLC

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

PROFESSIONAL REGISTRATIONS

ME Certified Geologist #GE452
NH Professional 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 1527-13 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 Crede Associates, LLC with 29 years of experience in assessment, investigation, remediation of petroleum and hazardous substance sites throughout Maine, New Hampshire, Rhode Island, Massachusetts, and Vermont.

BROWNFIELDS EXPERIENCE INCLUDES:

Since 2007, Rick has been almost exclusively involved with EPA funded and municipally-led Brownfields assessment and cleanup projects. He has performed all facets of Brownfields work including field work, project management, and quality control. Rick is currently the company-wide Quality Control (QC) manager for all of Crede's Brownfields projects, but he also serves as the project manager for several planning commission and community clients. Rick's day-to-day work includes overseeing and mentoring junior staff and providing quality control review of all Brownfields reports. Rick's expertise lies with understanding and interpreting ASTM International's (ASTM) environmental assessment processes which are the foundation of the EPA Brownfields program. Rick is an active member of the ASTM International E50 subcommittee and 1527-05 Task Group which has direct oversight of the various ASTM environmental processes. Rick's deep ASTM knowledge allows for comprehensive oversight of the Phase I Environmental Site Assessments (ESAs) conducted in accordance with ASTM E 1527-13 and Phase II ESAs following the ASTM E 1903-11. Rick also has significant experience designing remediation approaches using the Analysis of Brownfields Cleanup Alternatives (ABCA) process that incorporates remediation in concert with planned redevelopments. Rick also reviews Crede's state-wide generic Quality Assurance Project Plans (QAPPs) and Site-Specific Quality Assurance Project Plans (SSQAPPs) prepared for each project that detail the Brownfields assessment activities and laboratory sampling work to be performed.

Rick's program and project specific work has is detailed below:

Stafford County Regional Planning Commission (SRPC) Brownfields Assessment Program – New Hampshire

Rick has provided QC work for the SRPC Assessment Program which included an inventory of over 300 potential Brownfield sites within the region, prioritization/selection of sites for assessment, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Projects that Rick has worked on include:

- Lockhart Field, Milton
- Nelson Estate, Farmington

Upper Valley Lake Sunapee Regional Planning Commission Brownfields – New Hampshire

Rick has provided QC work for the Upper Valley Lake Sunapee Regional Planning Commission (UVLSRPC) Brownfields Assessment Program in western New Hampshire. Key projects in the region include:

- 56 Opera House Square, Claremont
- Jolly Farmer Products, Lempster
- 20 Spencer Street Lebanon
- Former Public Works, Lebanon
- Public Works Annex, Lebanon
- Topstone Mill, Claremont
- Ambargis Mill, Newport

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Southern New Hampshire Regional Planning Commission – New Hampshire

Rick provided project management and program QC technical reviews for the Southern New Hampshire Planning Commission (SNHPC) Hazardous Substance and Petroleum Brownfields Assessment Program in central New Hampshire. Properties 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

Southern Maine Planning & Development – Maine

Rick provided project management and program QC technical reviews for the Southern Maine Planning & Development (SMPD) Brownfields Assessment Program in southern Maine. Assessed properties include:

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

Merrimack Valley Planning Commission – Massachusetts

Rick provided project management and program QC technical reviews for Merrimack Valley Planning Commission (MVPC) Brownfields Assessment and Revolving Loan Fund programs in northeastern Massachusetts. Assessed properties include:

- Clipper City Rail Trail, Newburyport
- Waterfront Promenade, Newburyport
- Merrimac Coastal Metals, Merrimac
- Margaret Rice Property, Amesbury
- 119 May Street, Lawrence
- 60 Brown Street, Haverhill
- 5 Florence Street, Lawrence

City of Gloucester Brownfields & Groundwork Lawrence Brownfields - Massachusetts

Mr. Vandenberg provided QC lead on projects on five (5) properties for the City of Gloucester and Lawrence, Massachusetts. Responsibilities included directing field staff, executing the scope of work, report preparation, and technical review of the assessment documents. Rick has developed an ABCA for a large mill property in Lawrence.

Prime Tanning Demolition & Remediation - Berwick, Maine

Mr. Vandenberg managed has managed the Brownfields cleanup the Former Prime Tanning Property in Berwick, Maine. The project involved the demolition design. This work involved the demolition of 5 acres of building and installation of both temporary and permanent cover systems. Rick reviewed design drawings, technical specifications, contractor submittals and provided extensive contractor oversight during execution of the project. In addition, Rick led numerous public engagement and outreach meeting/sessions during the multi-year demolition and remediation process. The project leveraged more than \$2 million dollars of EPA and private funding.

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 temporary cover system was placed over the site to protect future site occupants from chlorinated solvent contamination at the Site. The City of Somersworth is redeveloping the site into a waterfront park.