



Crede Associates LLC

Judd R. Newcomb, CG Geologist/Assistant Project Manager

PROFESSIONAL REGISTRATIONS

Certified Geologist:
ME #GE493

TRAINING

- 40-hour OSHA 29 CFR 1910.120 Hazardous Waste Health and Safety Course (June 2004)
- 8-hour OSAH 29 CFR 1910.120 Hazardous Waste Health and Safety Refresher Course (April 2009)
- 8-hour OSHA 29 CFR 1910.120 Hazardous Waste Supervisor Health and Safety Course (August 2004)
- 9-hour National Safety Council Basic First Aid Training
- 9-hour National Safety Council First Aid for Choking and CPR Course
- Innov-X Systems Radiation Safety & Operator Training for portable XRF Spectrum Analyzers including Radiation Safety & XRF Theory
- 101-Portable Nuclear Density/Moisture Gauge Use and Safety Training

EDUCATION & PROFESSIONAL ACTIVITIES

- B.S., Geology, University of Maine, August 2000
- Geological Society of Maine
- National Groundwater Association
- National Brownfields Association
- The Geological Society of America
- Economic Development Council of Maine

HIGHLIGHTS OF EXPERIENCE

Mr. Newcomb is a Geologist and Assistant Project Manager for Crede Associates with experience in Brownfields, Phase I and Phase II Environmental Site Assessments, remedial system installation, operation, maintenance and reporting, remedial additive injection, UST closure, various drilling methods, and environmental sampling. Mr. Newcomb also has three years experience working with the Massachusetts Contingency Plan, 310 CMR 40.0000.

PROJECT EXPERIENCE INCLUDES:

Environmental Site Assessment/Sampling/Subsurface Investigation

Mr. Newcomb has performed environmental site assessments for numerous sites throughout New England varying from undeveloped land to industrial properties. After performing historical research, initial site investigations, assessing UST, AST, and hazardous materials compliance, interfacing with site personnel, federal, state, and local regulatory agencies as part of the regulatory records review, Mr. Newcomb prepared summary reports with recommended work plans for Phase II investigation. Phase II investigations concerned the release of chlorinated organic compounds, petroleum products, pollutant metals, PCBs, and pesticides to soil, groundwater, air, and concrete. As part of these investigations Mr. Newcomb performed test pitting, mud logging and environmental sampling utilizing a variety of drilling methods including: hollow stem auger, air rotary, mobile tripod, direct push Geoprobe®, and hand held tools. Associated activities included soil and discrete groundwater sample collection, bedrock coring and rock quality determination, monitoring well installation, and rising/falling head tests. Responsibilities included preparation of sampling plans, equipment management, health and safety coordination, accurate description of overburden and bedrock strata, installation of specified well construction, collecting representative samples, preparation of boring logs, data evaluation, interfacing with affected public and regulatory agencies, and project completion reports.

Brownfields

Mr. Newcomb has conducted extensive historical research, Phase I and Phase II environmental site assessment and investigation activities for the USEPA-funded Brownfields commercial redevelopment and revitalization program and prepared Quality Assurance Project Plans detailing all investigation, sampling, and analytical testing activities that were submitted to, and approved by the USEPA. 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. Newcomb has worked with the cities of Lewiston, Bath, Westbrook and Brewer, Maine, as well as with the Southern Maine Regional Planning Commission, and the City of Nashua, New Hampshire to develop Brownfields programs. A representative Brownfields project is summarized below:

Eastern Fine Paper, Brewer, Maine

Investigations conducted at the Eastern Fine Paper site included a geophysical electromagnetic survey, test pitting, a combination of direct-push, conventional auger, and drive-and-wash soil borings, installation of groundwater monitoring wells, pore water sampling, and the collection and field screening of soil, sediment, surface water, and groundwater samples. Field screening methods included PID headspace analysis, XRF soil and lead paint analyses, water chemistry field test kits, and direct-read instruments. Contaminants detected at the site primarily included PCBs, petroleum, SVOCs, and metals above Maine DEP Remedial Action Guidelines and EPA TSCA Guidelines. Asbestos-containing building materials and lead-based paint were also identified within the mill building. During redevelopment all asbestos-containing materials were removed and the building was demolished. Soils throughout the site were excavated and transported off-site for disposal, or were relocated and encapsulated on-site. Long-term stream quality and cap

maintenance plans have been developed for the site to ensure the protection of human health and the environment. The completed redevelopment of the site has brought approximately 500 new jobs to the City of Brewer.

Southern Maine Regional Planning Commission

Mr. Newcomb has assisted in the management of projects for the Southern Maine Regional Planning Commission (SMRPC) Brownfields Program. Past and ongoing responsibilities include communications with SMRPC, the Maine DEP, the U.S. EPA, property owners, and developers, project identification, contracting and contractor coordination, project research, scope of work, and report preparation, field work and technical oversight, and EPA reporting. SMRPC projects include:

- North Dam Mill, Biddeford, ME
- Riverdam Mill, Biddeford, ME
- Lincoln Mill, Biddeford, ME
- Robinson Mill, Parsonsfield, ME
- N. Berwick Woolen Mill, Berwick, ME
- Stenton Trust Mill, Sanford, Maine
- Biddeford Box Co., Biddeford, ME
- Dubois Property, Biddeford, ME
- Gagne Property, Biddeford, ME
- Kittery Town Pier, Kittery, ME
- Highland Towing, York, ME
- Municipal Lots, Kennebunk, ME

Other representative Brownfields projects include:

- Libbey Mill, Lewiston, ME
- Cowan Mill, Lewiston, ME
- Androscoggin Mill #8, Lewiston, ME
- Saccarappa Park, Westbrook, ME
- Texas Steamship Property, Bath, ME
- The Old Shipyard, Bath, ME
- The Praver Block, Bath, ME
- Town Landing, Bath, ME
- Robbin’s Junkyard, West Bath, ME
- Nashua Boiler House, Nashua, NH
- Majestic Motors, Merrimack, NH
- Sanford Mill, Sanford, ME
- Fmr Milford Police Dept., Milford, NH
- Grugnale Property, Milford, NH
- Granite Landing, Manchester, NH
- Greater ME Auto Auction, Gray, ME
- Gray Municipal Offices, Gray, ME
- Hammond Auto, Fremont, NH

Remedial Systems/Technologies

Mr. Newcomb has assisted in the installation and operation of several types of remedial systems for the extraction of contaminated media including air sparge, pump and treat, dual phase extraction, and bio-pile venting, and the application of several other remedial technologies including Fenton’s Reagent, oxygen releasing compound, and hydrogen releasing compound. Responsibilities included pre-installation/application pilot testing, health and safety coordination the operation, maintenance, and sampling of installed systems, and the preparation of associated operational, sampling, and closure reports. Representative remedial systems projects include:

- New Franklin Laundry Soil Vapor Extraction (SVE) System Design, Bangor, ME
- Smith Street Groundwater Treatment System, Waltham, MA
- Former Rumford National Graphics Product Recovery and Treatment System, Belfast, ME
- Monhegan Island Product Recovery and Treatment System, Monhegan Island, ME

UST Closure

Mr. Newcomb has overseen numerous UST excavations and removals, inspections of the removed USTs, abandonment-in-place of USTs, and confirmatory soil and groundwater sampling to assess environmental impacts associated with USTs and in accordance with MEDEP Regulations, Chapter 691, and New Hampshire Code of Administrative Rules Env-Wm 1401. Responsibilities included accurate documentation of the closures and waste transportation, representative sampling, and preparation of UST closure reports for submittal to applicable regulatory agencies. Representative UST closures include:

- Former MBNA Belfast Campus diesel UST, Belfast, ME
- LaChance Brothers Filling Station gasoline USTs, Sanford, ME
- Chebeague Island Boat Yard UST piping removal, Chebeague Island, ME
- Maine Turnpike Mile 58 Service Center UST piping removal, Gray, ME
- Kittery Town Pier fuel dock UST, Kittery, ME
- Granite Landing unknown USTs, Manchester, NH
- Army Corps. of Engineers – Formerly Used Defense Sites:
 - Musquatch Mountain, Topsfield, ME
 - Radar Site, Sedgewick, ME
 - Former Barracks, Quoddy, ME
 - Generator Bldng, Little Chebeague Island, ME
 - Fire Training Bldng, Little Chebeague Island, ME
 - Generator Bldng, Cow Island, ME