



Credere Associates LLC

Rip Patten, PE, LSP, LEED-AP Vice President

PROFESSIONAL REGISTRATIONS

Professional Engineer:

ME #8864

NH #11700

MA #46151

Licensed Site Professional

MA LSP#3335

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
- ▲ OSHA 29 CFR 1910.146 Confined Space Entry/Attendant/Supervisor Training

EDUCATION

- ▲ B.S., Environmental Engineering, Rensselaer Polytechnic Institute, 1992

ACTIVITIES

- ▲ Past President, Maine Chapter of American Council of Engineering Companies
- ▲ Past Board Member, Maine Affordable Housing Coalition
- ▲ Society of American Military Engineers
- ▲ Board Member Economic Development Council of Maine
- ▲ New Hampshire Planners Association

HIGHLIGHTS OF EXPERIENCE

Mr. Patten is an environmental engineer with over 30 years experience in assessment, investigation, design, permitting, remediation and disposal of petroleum and hazardous wastes, and is currently Vice President of Credere Associates, LLC. Mr. Patten has served as principal-in-charge, senior technical reviewer, program manager, and senior project engineer for numerous compliance, assessment, investigation and remediation projects including Phase I environmental site assessments (ESAs), Brownfield programs and investigations, remedial investigations, remedial action planning, groundwater extraction and treatment system design, soil vapor extraction design and soil removals.

PROJECT EXPERIENCE INCLUDES:

Former Eastern Fine Paper Brownfields Assessment and Remediation – City of Brewer, Maine

Project manager for the Brownfields investigation and remediation of the 38-acre former pulp and paper manufacturer facility with operations dating back to late 1700s. Subsurface investigations included soil, groundwater, pore water, sediment, and asbestos and lead paint sampling. Remediation activities included removal of PCB-impacted soils, capping of petroleum-saturated soils, containment of hazardous disposal areas, onsite stabilization of lead contaminated soils, abatement of asbestos and other universal wastes. Tasks performed include development of scope of work, senior technical review of reports, project coordination, and public presentation of data and recommendations. Also assisted the City of Brewer in obtaining EPA Brownfields Assessment Grant (\$350k), EPA Brownfields Cleanup Grant (\$600k), and EPA Brownfields Remediation Revolving Loan Fund (\$1.5 million).

Greater Portland Council of Governments Hazardous Materials and Petroleum Brownfields Assessment Program – Cumberland County, Maine

Program Manager for the Greater Portland Council of Governments (GPCOG) Brownfields Assessment Program. Project included the inventory of Brownfield sites located within the target areas of the region (Portland Waterfront, Gray, Standish and Steep Falls), prioritization and selection of sites for Environmental Assessment activities, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Tasks have included development of scope of work, senior technical review of reports, project coordination, property owner education, regulatory agency interface, site reconnaissance visits, and remedial alternative oversight. Properties assessed or currently being assessed as part of program includes the following:

- Thompson's Point, Portland, ME
- Adams School, Portland, ME
- Gray Office, Gray, ME
- Gray Fire Station, Gray, ME
- Town Farm Road Site, Windham, ME
- Maine Auto Auction, Gray, ME
- Memorial School, Bridgton, ME
- Maine Narrow Gauge Railway, Gray, ME
- Mann Property, Windham, ME
- Cliff Island Fueling, Portland, ME

Sanford Mill Brownfields Assessment & Remediation– Town of Sanford, Maine

Project manager and lead environmental engineer for the assessment of the Sanford Mill located in downtown Sanford. Project included completion of a Phase I ESA, Site Specific Quality Assurance Project Plan, Phase II Subsurface Investigations including soil sampling, vapor intrusion assessment and a bedrock groundwater investigation, and remediation action planning and analysis of Brownfields Cleanup Alternatives. Worked extensively on owner and

developer education regarding the Brownfields Program, integrating the remediation with the redevelopment, and assisting the Town obtain cleanup funding (\$200 EPA Cleanup Grant and \$200k SMPDC RLF Subgrant). Also served as project manager and lead engineer coordinating and overseeing remediation activities at the site.

Southern Maine Planning & Development Commission Hazardous Materials and Petroleum Brownfields Assessment Program – York County, Maine

Program manager for the Southern Maine Planning and Development Commission (SMPDC) Brownfields Assessment Program. Project included 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, remediation planning, reuse planning, and implementation of remedial actions. 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 SMPDC 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 (\$3 million). Properties assessed or currently being assessed as part of program includes the following:

- Robinson Woolen Mill, Parsonsfield, Maine
- North Berwick Woolen Mill, North Berwick, Maine
- Lincoln Mill, Biddeford, Maine
- Gagne Oil Property, Biddeford, Maine
- Former Box Factory, Biddeford, Maine
- Kittery Pier Site, Kittery, Maine
- Marble Block, Biddeford
- Stenton Trust Mill, Sanford, Maine
- Dubois Property, Biddeford, Maine
- North Dam Mill, Biddeford, Maine
- Riverdam Mill, Biddeford, Maine
- Former Highland Towing, York, Maine
- Former Gas Station, Kennebunk, Maine

Lakes Region Planning Commission Hazardous Materials and Petroleum Brownfields Assessment Program –New Hampshire

Program manager for the Assessment Program which included an inventory of over 55 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, remediation planning, reuse planning, and implementation of remedial actions. Properties assessed or currently being assessed as part of program include the following:

- Lakes Region Correctional Facility, Laconia, NH
- Mica Building, Bristol, NH
- Ernie's Auto, Tilton, NH
- Guay's Garage, Franklin, NH
- Polyclad Facility, Franklin, NH
- Tamworth Inn, Tamworth, NH
- New England Yard, Laconia, NH
- Colonial Theater, Laconia, NH
- Ferrari Mill, Franklin
- Madeira Site, Laconia

Other Brownfields Program Experience

Other EPA Funded Brownfields Assessment Programs include the following:

- Gunn Block, Springfield, MA Brownfields Cleanup
- Automania, Holyoke, MA Brownfields Cleanup
- Dewey Ave., Pittsfield, MA Brownfields Cleanup
- Southern NH Planning Commission Assessment
- Capital Regional Development Council RLF Program QEP (Concord, NH)
- City of Nashua, NH Brownfields RLF Program QEP
- Aerofab, Sanford, ME Brownfields Cleanup
- Unity Grammar School Cleanup
- Rockingham Planning Commission Brownfields Assessment Program
- City of Brewer Brownfields RLF Program
- Brewer Middle School Cleanup

