



Credere Associates LLC

**Allison S. Drouin, PG, LG**  
**VP of Quality Assurance & Technical Programs**  
**Senior Geologist/Project Manger**

**PROFESSIONAL  
CERTIFICATIONS**

NH Prof. Geologist #00863  
ME Cert. Geologist #GE589

**TRAINING**

- ▲ 40-hour OSHA 29 CFR 1910.120 HAZWOPER Course.
- ▲ 8-hour HAZWOPER Refresher (June 2019)
- ▲ OSHA C4 HAZWOPER Supervisor Course
- ▲ American Heart Association CPR/AED/First Aid
- ▲ Waterborne Radon Certification (ID# NRPP-78)
- ▲ ASTM Phase I and Phase II Environmental Site Assessment, Continuing Obligations
- ▲ USACE/NAVFAC Construction Quality Management (CQM) Training

**EDUCATION**

- ▲ B.S. Geology and Environmental Studies, 2009 St. Lawrence University, Canton, NY

**PROFESSIONAL  
ORGANIZATIONS**

- ▲ Interstate Technology & Regulatory Council, Incremental Sampling Methodology (ISM) Team Member -(2020)
- ▲ Geological Society of America (2018)
- ▲ Geological Society of Maine (2012)
- ▲ Inactive Alumni Member of Sigma Gamma Epsilon (2007)

**HIGHLIGHTS OF EXPERIENCE**

Ms. Allison Drouin is a Vice President of Quality Assurance & Technical Program and serves as the Technical Lead, Project Manager, and Senior Geologist with Credere Associates, LLC. She holds a Bachelor of Science degree in Geology and Environmental Studies from St. Lawrence University (2009). She has experience working on a variety of types of sites including Federal Formerly Used Defense Sites (FUDS), urban redevelopment, industrial mills, infrastructure, solar/wind projects in Maine, and residences.

**Environmental Site Assessments**

Ms. Drouin has completed numerous Phase I and Phase II Environmental Site Assessments (ESAs) for sites in numerous states and is considered an Environmental Professional according to ASTM E 1527-13 and the new 2021 release. Ms. Drouin's responsibilities include all aspects of an ASTM compliant Phase I/II ESA including site inspection, records review, interview and report preparation; preparation of conceptual site model, data gap analyses and sampling plans; planning, organizing and implementing field tasks including soil borings, ISM sampling, well installation, low flow groundwater sampling, sub-slab soil gas sampling, indoor air sampling, PCB building material sampling, and test pitting; managing field staff/programs; preparation and/or technical review of assessment reports; and aspects of quality assurance and control. Ms. Drouin's experience has focused primarily on chlorinated dense non-aqueous phase liquid (DNAPL) assessment and natural attenuation monitoring, Toxic Substances Control Act (TSCA) regulated polychlorinated biphenyl (PCB) assessment and cleanup, lead in soil from paint, and most commonly petroleum and urban fill investigations.

**Remediation/Cleanup Projects**

Ms. Drouin has participated in numerous cleanup projects including the Children's Museum and Theater at Thompson's Point in Portland, Maine; cPort Credit Union in Portland, Maine; MERC Redevelopment and FPL Site in Biddeford, Maine; redevelopment activities at Thompson's Point in Portland, Maine; Brewer Public Works Facility into a brewery in Brewer, Maine; St. Albans Air Force Station Coal Ash Pre-Design and restoration in St. Albans, Vermont; Brewer Middle School in Brewer, Maine; Unity Grammar School in Unity, Maine; and Marble Block, in Biddeford, Maine, and other mixed use developments in Portland, Maine and Concord, New Hampshire. Ms. Drouin also has experience with Remediation Closure Reporting and a variety of remediation technologies include soil excavation and offsite disposal; in-situ treatment with hydrogen peroxide; onsite stabilization of lead soils for offsite disposal; and pump and treat of LNAPL impacted groundwater.

**Quality Assurance and Quality Control**

Ms. Drouin is also responsible for assisting Theresa Patten, President of Credere, with Credere's QA/QC Program. Ms. Drouin maintains Credere's Corporate Quality Control Plan, prepares and revises as necessary Credere Standard Operating Procedures (SOPs), and performs project quality control with regard to evaluation of SSQAPP/QAPP/SAP/Work Plan/Proposal compliance through field audits and review of field documentation. Ms. Drouin is experienced in the preparation of numerous Uniform Federal Policy (UFP) QAPPs including use of the systemic planning, establishing data quality objectives (DQOs), selecting laboratory analytical methods, and coordination with the laboratory during implementation of the QAPP. Ms. Drouin performs data usability assessments (DUAs) after data receipt and support data validation by third party validators. Ms. Drouin is also well versed in preparation of eQAPPs, event management, and maintenance of projects in USACE's FUDSchem database.

## **FEDERAL EXPERIENCE**

Ms. Drouin has participated in several federal projects as a technical lead and project manager. She has coordinated field mobilizations, performed quality control in accordance with applicable federal standards, completed technical analysis of data, and mediated the many moving parts involved in the federal work/contracting process.

### **Cape Elizabeth Family Housing, Cape Elizabeth, Maine (USCG)**

Ms. Drouin served as Project Manager for the assessment and remediation of lead paint contaminated soil at the Family Housing Duplex owned by the U.S. Coast Guard (USCG). Ms. Drouin prepared the Site Investigation to identify the extent of lead impacted soil in the Spring of 2020. In Fall 2020, Credere managed and oversaw soil excavation, emergency UST removal, dust monitoring, waste transport and landfill disposal, confirmatory sampling/screening, and final reporting and documentation. Supplemental excavation of landscaping beds was complete in Spring 2021 followed by final restoration of the Site. The project was completed from assessment to final cleanup and restoration within 1 year.

### **Former Loring Air Force Base Formerly Used Defense Sites (FUDS), Northern Maine (USACE CENAE)**

Ms. Drouin managed the intended closeout of three Maine FUDS Sites under contract with the U.S. Army Corp of Engineers (USACE) beginning 2014. Ms. Drouin reviewed and summarized historical data collected between 1992 and 2014 for the Laundry Annex, Communication Annex, and LO-13 Launch and Control Sites. Data were also reviewed to determine the most appropriate path for closure under CERCLA or the Maine Petroleum Program. Based on identified data gaps and the results of the preliminary risk screenings (completed by others), additional work was required. Ms. Drouin prepared the SAP/QAPP, managed execution of the field program in accordance with the SAP/QAPP, and coordinated/reviewed the validation of the data for presentation in a Trip Report. The Communication Annex has been closed out, and Ms. Drouin oversaw the abandonment of the monitoring wells after closeout. Credere worked with USACE to prepare combination CERCLA and state petroleum closeout documentation for the Laundry Annex.

### **Gould Island, FUDS, Narragansett Bay, Rhode Island (USACE CENAE)**

Ms. Drouin serves as the technical lead for Credere's Gould Island contract with USACE on the Architecture and Engineer (AE) Hazardous, Toxic, and Radioactive Waste (HTRW) contract. Ms. Drouin prepared and oversaw the execution of an extensive sampling program that consisted of preparation of multiple UFP QAPPs, over 600 samples in multiple field programs, management of the data in FUDSchem, and evaluation of the data for data gaps. The project is currently in the process of demolition structures that inhibit further assessment and represent safety hazards under the Building Demolition/ Debris Removal (BD/DR) program. Final data gap sampling to support understanding of nature and extent and HHRA is planned for Fall 2021 with subsequent preparation of a HHRA/SLERA and Remedial Investigation report.

### **Bucks Harbor Ground to Air Transmitter/Receiver (GATR) and Glenburn Ground to Air Transmitter (GAT) Sites, Maine**

Ms. Drouin serves as the PM for the Long-Term Monitoring programs at the Bucks Harbor GATR and Glenburn GAT Sites. Ms. Drouin also performed technical review of the data that included statistical evaluation of results and natural attenuation assessment (e.g., dechlorination, mass flux). Ms. Drouin has participated in technical discussions of the data with USACE and subsequently Maine DEP.

### **Naval Support Activity Cutler, Site 7 South Helix House, Cutler, Maine (NAVFAC)**

Ms. Drouin supported the cleanup of PCBs in soil as subcontractor to the Prime contractor contracted with the Department of the Navy. Ms. Drouin supported the preparation of health and safety documents and designed the ISM confirmatory sampling approach that maintains compliance with TSCA grid sampling. Ms. Drouin prepared the UFP QAPP/SAP for this project and played a leading role in the systemic planning process for the sample design.

### **Other Federal Experience**

Ms. Drouin is serving as the Technical Lead and Senior Geologist for RIs at **Dow Air Force Base Salvage Yard, Bangor, ME;** **Caswell Air Force Station, Caswell, ME,** components and experience of which are similar to Gould Island listed above, and is supporting the groundwater monitoring and LNAPL soil remediation at the **Naval Education and Training Center (NETC) Melville North in Portsmouth, RI.** Work for these projects is ongoing.

Ms. Drouin provides QA support during the planning stages of multiple ongoing cleanup and construction projects being complete for NAVFAC and at the Portsmouth Naval Shipyard. Ms. Drouin support QA of Accident Prevention Plans according to EM 385-1-1, Work Plans according to project specifications, Quality Control Plans, and QC Manager Support as needed.