

Absolute Resource

a s s o c i a t e s



*Serving our Customers
and the Environment*

Your Environmental Resource for

*Cleaner Water
Cleaner Air
A Cleaner Earth*

www.absoluteresourceassociates.com

Federal Project Management

Absolute Resource Associates (ARA) has experience working on and managing a wide variety of large-scale environmental projects. From the initial consultation to site investigations, documentation, inspections, data collection, laboratory analysis, remediation plans and follow-up clearance testing, ARA can manage all details of your environmental investigation, start to finish.



Our steadfast commitment to keep up to date on the most current recognized industry guidelines and standards, approved methodologies, required certifications and training set our staff apart as some of the most competent professionals in this industry. ARA is a Department of Defense Accredited (DoD ELAP), Woman Owned Small Business (WOSB & EDWOSB), and a certified Women's Business Enterprise (WBE) by WBENC. ARA has worked on projects for the EPA, USDA, Westover Air Force Base, Pease Air Force Base, Portsmouth Naval Shipyard, US Military Academy at West Point, and Hanscom Air Force Base, and has great partnerships with some of the largest environmental and engineering firms in the Northeast.

DoD ELAP, ISO/IEC 17025, NELAC, WBENC, WBE, WOSB, EDWOSB, DOT DBE, MA SDO WBE

ARA Federal Project Management: Project Experience

- ✦ As a Prime Contractor for the Mid-Atlantic Region of Naval Facilities, ARA has managed the oversight of several projects including geotechnical investigations, microbial remediation, asbestos abatement, office renovations, and HVAC system upgrades.
- ✦ The United States Military Academy at West Point contracted with ARA to provide all personnel and management necessary to collect and/or test air and bulk samples for asbestos, lead-based paint, and mold, as well as hazardous waste characterization, cataloging, and proper off-site disposal of said waste.
- ✦ ARA provided personnel, materials, equipment, and supervision as needed for various environmental projects at a US Air Force Base, related to asbestos and lead sample collection and laboratory analysis, as part of a sole-source SBA 8(a) set aside contract.
- ✦ ARA supports the US Army Corps of Engineers in providing project management, task oversight, and laboratory analytical services for groundwater sampling events at Formerly Used Defense Sites (FUDS). ARA provides electronic data deliverable (EDD) files and data input services for management of project data within the USACE database FUDSChem.
- ✦ ARA has extensive experience in preparing Activity Hazard Analysis, Accident Prevention Plans, Quality Control Plans, Environmental Protection Plans, and other pre-construction documents for US Government approval. ARA also provides support to Architecture and Engineering firms on their federal contracts by providing hazardous material investigation services and hazardous materials removal design support.



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Certifications

Business Certifications

- ✂ SBA (US Small Business Administration) Woman Owned Small Business (WOSB)
- ✂ SBA Economically Disadvantaged Woman Owned Small Business (EDWOSB)
- ✂ SBA 8(a) Business Development Program Graduate (11/08-11/17)
- ✂ MA SDO (Massachusetts Supplier Diversity Office) Women's Business Enterprise (WBE)
- ✂ DOT (Department of Transportation) Disadvantaged Business Enterprise (DBE): NH, MA ME, RI, VT
- ✂ WBENC (Women's Business Enterprise National Council) WBE and WOSB Certified

Laboratory Certifications

- ✂ Department of Defense Environmental Laboratory Accreditation Program (DoD/ELAP)
- ✂ International Organization for Standardization (ISO/IEC 17025)
- ✂ MA Department of Environmental Protection Laboratory Certification Program M-NH902
- ✂ ME Laboratory Accreditation Program NH00902
- ✂ NH Environmental Lab Accreditation Program (NH ELAP): NELAC/NELAP/TNI, Cert #1732
- ✂ RI Department of Health Certification 173213
- ✂ VT Department of Health Certificate # VT173204
- ✂ Army Corps of Engineers New England, Laboratory Quality Assurance Plan Approved (RIM)

Indoor Air Quality (IAQ) Certifications & Licenses

- ✂ ACAC (American Council for Accredited Certification) Board Certified:
 - CMC (Certified Microbial Consultant)
 - CIEC (Certified Indoor Environmental Consultant)
 - CETC (Certified Environmental Thermography Consultant)
 - CIE (Certified Indoor Environmentalist)
 - CMI (Certified Microbial Investigator)
 - CIAQM (Certified IAQ Manager)
 - CEAC (Certified Environmental Allergen Consultant)
- ✂ X-Ray Fluorescence (XRF) Licensed
- ✂ Asbestos Licenses: Asbestos Inspector, Asbestos Consultant, Asbestos Monitor, Project Designer
- ✂ Field Asbestos in Air PCM NIOSH 7400 A Rules
- ✂ Certified Lead Inspector

Federal Project Management

- ✂ OSHA 30 & 40 Hour Hazardous Waste Operations & Emergency Response (HAZWOPER)
- ✂ HAZWOPER Supervisor
- ✂ OSHA Fall Protection Certified
- ✂ Cardiopulmonary Resuscitation (CPR) Certified
- ✂ Aerial and Scissor Lift Operator Certified
- ✂ Antiterrorism Awareness Training
- ✂ Hazardous Waste (HazWaste) Management
- ✂ Shipping Hazardous Waste Materials by Ground, Ops Level (DOT)
- ✂ Storing Hazardous Waste, Large Quantity Generator (RCRA)
- ✂ 40-hr EM-385.1.1
- ✂ USACE Construction Quality Management for Contractors
- ✂ Microsoft Office Projects and FUDSChem Database Proficient

Laboratory Services

Absolute Resource Associates (ARA) offers a full-service, certified environmental testing laboratory with a wide array of capabilities. We are a leader in utilizing technologies that provide critical data and maximize project performance while still minimizing our impact to the environment.

ARA provides analytical laboratory services to municipalities, industries, and environmental consultants in support of site investigations, contamination studies, waste characterization, discharge permits, and disposal. We also provide water testing services to residential well owners and homeowners who are concerned with their drinking water quality.



Our services at ARA include method development, electronic data deliverables, technical project management, access to knowledgeable chemists, as well as convenience services such as sample containers, bottle order delivery, preprinted chain of custody forms, and courier service for samples. Our analytical capabilities include: volatile organic compounds, semi-volatile organic compounds, PFAS, metals, wet chemistry, microbiology, and more.

ARA Laboratory Services: Project Experience

- ✧ ARA was the first laboratory located in NH to be certified for the analysis of Per- and Polyfluoroalkyl substances (PFAS). ARA provides PFAS testing to residential, municipal, industrial, and federal clients throughout the region, and contracted with NHDES to identify and quantify PFAS in environmental samples per the agency's ongoing investigation into the prevalence of PFAS in drinking water throughout the state.
- ✧ ARA has been a partner in the predesign and remedial actions at a municipal landfill, and supports many New England landfill cleanup efforts by coordinating sampling, providing pre-printed chain of custody forms, bottle orders, and lab analyses.
- ✧ ARA has performed bulk sediment testing, analysis, quality control and electronic reporting in support of projects evaluating dredged materials proposed for disposal in New England waters.
- ✧ ARA provided lab testing for the remediation of chlorinated solvents at a US Air Force Base.
- ✧ ARA provided services related to Volatile Organic Compound delineation of soils at a US Air Force Base, including submission of a comprehensive, customized electronic data deliverable.
- ✧ ARA provided testing services in support of research related to stormwater management and contaminant control for a local University Stormwater Center.
- ✧ ARA provided lab services for a Municipal Aeration System Upgrade, analyzing for nutrients, solids, oxygen demands, and metals. The analytical results were used to develop the system design, and wastewater characterization to support process modeling.

Capabilities

Absolute Resource Associates (ARA) is a full-service environmental firm, providing a wide range of indoor air quality services, certified environmental laboratory services, and environmental project management. ARA is your resource for projects involving possible water, soil, and indoor air contamination. The coordination of field activities with our laboratory capabilities allows ARA to manage project schedules and budgets in an efficient and cost-effective manner.

Laboratory Capabilities

ARA's certified on-site laboratory utilizes industry recognized standards, methods, and guidelines for Waste Characterization, Drinking Water Analysis, PFAS, VOCs, SVOCs, Metals, TOC, PCBs, Pesticides, Bacteria / Microbiology, Wet Chemistry, Low Level SIM/1,4 Dioxane, Mold, Lead, Allergens and more.

Indoor Air Capabilities

ARA's certified and highly trained IAQ team provides: Consultations, Mold Inspections, Indoor Air Quality Investigations, Air & Surface Sample Collection & Analysis, Water Damage & Water Intrusion Identification, Remediation Planning, Follow Up & Clearance Testing, Building Envelope/ Siding Failure Inspections, Moisture Surveys, Lead XRF Surveys, Asbestos Investigations, Asbestos Project Design, Legionella Investigations, Vapor Intrusion Services, Hazardous Materials Investigations, Air Monitoring, HVAC & Insulation Checks, Infrared Imaging, Field GC/MS Investigations, Services to the Healthcare Industry, Facility Evaluations for Health & Safety.

Applicable Matrices

Drinking Water, Waste Water, Storm Water, Soils, Sediments, Sludge, Cement, Construction Debris, Hazardous Waste, Tissue, Filters, Wipes, Building Materials, Paint, Air, Bulk Material, Dust, Particles, and more.

NAICS Codes

541380- Testing Laboratories
541350- Building Inspection Services
541620- Environmental Consulting Services
541690- Other Scientific & Technical Consulting
541710- R&D Physical, Engineering, Life Sciences
561210- Facilities Support
562998- Other Waste Management Services
236220- Commercial & Institutional Building Construction

SIC Codes

8734- Testing Laboratories
8748- Business Consulting, NEC
8999- Miscellaneous Services
9511- Air & Water Resource & Solid Waste

Product Service Codes

B502- Study/Air, Quality
B504- Study/Chemical-Bio
B510- Study/Environmental
B532- Study/Soils
B533- Study/Water, Quality
H999- Misc. Test & Inspect
Q999- Other Medical Services
R799- Other Management

CAGE Code

3VNB6

DUNS Number

868348293



Indoor Air Quality

Absolute Resource Associates (ARA) provides complete management of Indoor Air Quality (IAQ) investigations. The ARA IAQ team is comprised of experts trained in industrial hygiene, microbial contamination, and indoor air quality, assisting clients with issues related to mold, lead, asbestos, Legionella, allergens, chemicals, VOCs, unidentified odors, and more. ARA's IAQ projects range from residential homes to municipal buildings, schools, hospitals, commercial/industrial buildings, and large government facilities.



The IAQ team at ARA will outline a plan designed to meet your specific needs. The process begins with a client consultation to discuss the nature of the IAQ concern and determine the best plan of action for your particular situation. ARA offers thorough building examinations, sample collection and lab analysis of suspected contaminant(s), problem identification, remediation options, as well as follow-up / clearance testing, and a personalized IAQ maintenance plan if requested.

ARA Indoor Air Quality: Project Experience

- ✦ A response to complaints at a Daycare Facility regarding odors resulted in an investigation which turned up several indoor air quality contaminants, HVAC issues, unsafe carbon dioxide levels, and mold contamination. The expertise and guidance of our staff led to thorough remediation and clearance testing to bring the facility back to normal function and a much safer environment for the children and staff.
- ✦ ARA was called to investigate concerns about Legionella contamination at a large health facility. Both air and water samples were taken throughout the building, and ARA's IAQ team performed a meticulous investigation to locate all sources of contamination. A customized remediation plan was implemented, and the client was able to avoid an outbreak of Legionnaires' disease among patients and staff.
- ✦ A school facility contaminated with smoke and extensive soot following a two-alarm fire was deemed unsafe by the School Board and concerned parents. ARA was called in to evaluate the situation. After a thorough building investigation, sampling and air testing, some parts of the school were given clearance within 24 hours of arriving on site, minimizing class disruption. After further remediation and air testing, a "clearance of occupancy" report for the entire building was delivered to the School Superintendent.
- ✦ A call from the US Department of Agriculture requesting Indoor Air Quality services resulted in the extensive inspection of a Ranger Station property in New Hampshire. The building and surrounding soils were inspected for asbestos and lead. The remediated building and property were later sold with the full legal disclosure of the lead and asbestos surveys that were conducted by our team.

Company Overview

Absolute Resource Associates (ARA) was established in November 2000, when environmental entrepreneurs Susan and Guy Sylvester purchased a struggling lab in Portsmouth, NH. Under their leadership, the company has since tripled in revenue, staffing, and facility size, and now provides a wide range of professional environmental services to customers across New England and beyond. The expertise of the ARA team and long-standing relationships with industry partners set ARA apart as one of the top environmental firms in New England.



ARA assists clients with issues related to contaminants in soil, water, and air, with services that include investigations, professional assessments, sampling, certified laboratory services, indoor air quality services, and complete environmental project management related to contamination or suspected contamination of a given matrix or environment.

The team at ARA has extensive experience providing analytical support to engineering, construction, and remediation projects, in addition to industrial permitting applications. Utilizing the latest technology, a robust information management system, the most up to date industry-recognized standards and approved methodologies, ARA provides the needed services on time, within budget, while following applicable regulatory and legal guidelines. The quality-driven and customer-focused personnel at ARA stand out in the industry for their dedication to customer care.

ARA supports workplace and partnership diversity, and is proud to participate in several diversity programs. ARA is a certified women's business enterprise (WBE) through the Women's Business Enterprise National Council (WBENC) and the Massachusetts Supplier Diversity Office; is a certified Small Business Administration (SBA) Woman Owned Small Business (WOSB) and Economically Disadvantaged Woman Owned Small Business (EDWOSB); and is Department of Transportation (DOT) DBE Certified. ARA is also a Department of Defense Accredited Laboratory (DoD ELAP, ISO/IEC 17025).

**WBENC, WBE, WOSB, EDWOSB, DOT DBE,
MA SDO WBE, DoD ELAP, ISO/IEC 17025.**

Give us a call today to see how Absolute Resource Associates can help you!

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Meet The People



Guy Sylvester, CEO

Guy is the CEO and co-owner of Absolute Resource Associates and has 30+ years of experience in the environmental industry. Guy's background includes management of environmental projects including the Rocky Mountain Arsenal, Basin F, Moffat Naval Air Station, Mare Island Naval Shipyard, Parris Island, Hanscom AFB, and several others associated with HAZWRAP, Navy CLEAN, USACE, and AFCEE Military cleanup programs. Guy has been instrumental in offering a pragmatic approach to addressing Industrial Hygiene and Indoor Air Quality issues for clients throughout New England, and his passion for this subject has earned him a reputation as one of the nation's top IAQ experts. Guy has become a relied-upon expert witness in court cases related to Indoor Air Quality, is a frequent guest speaker at Industry events, is a published author, co-founder of the NH Mold Task Force and has been active with the NH Legislative Commission, supporting legislation related to public health.

Susan Sylvester, President & Chief Financial Officer



Susan is the majority owner of Absolute Resource Associates and has 30+ years of experience in the environmental industry. Susan has worked with regulatory and certification agencies nationally in developing QAPPs in addition to meeting the requirements of AFCEE, Navy, and Army Corps of Engineers laboratory approval programs. Prior to purchasing ARA, Susan was Northeast General Manager of GTEL, a \$25 Million environmental firm, and Lab Director at Eastern Analytical. Under Susan's leadership, ARA has earned a reputation as one of the most reliable, technically sound, quality driven, customer focused companies in the industry. Sue and the business are active in industry organizations such as the Society of American Military Engineers (SAME), Massachusetts Licensed Site Professional Organization (LSPA), Business and Industry Association (BIA), American Council of Engineering Companies (ACEC), Environmental Business Council (EBC), and New England laboratory associations. In 2015, Susan was appointed to the Federal ETTAC Environmental Committee, where she worked for five years with a panel of other experts in Washington, DC to create opportunities for the US environment sector.



Cliff Chase, Vice President, Director of Technology & Laboratory Director

Cliff is Vice President / Director of Technology / Lab Director and co-owner of Absolute Resource Associates. Cliff has a BS degree in Chemistry and has been in the environmental field since the 1980s. He has bench level experience with every method performed in the laboratory, and his project experience includes EPA Superfund investigations, municipal wastewater permits, groundwater investigations and federal environmental clean-up projects. Prior to working at ARA, Cliff was the Organics Lab Manager at the Pace Analytical - New Hampshire laboratory, and the Volatile Organics Manager at Eastern Analytical. As VP and Director of Technology for ARA, Cliff reviews and approves the equipment and methods used in the lab and keeps the company current and abreast of the newest technologies affecting the business. In addition, Cliff is responsible for the information systems of the business, including management of the computer network and the company website.

Aaron DeWees, Chief Operating Officer



Aaron graduated from the University of New Hampshire with a BS in Biology and has been with Absolute Resource Associates since 1999. Aaron has extensive experience with water, solid, sediment, waste, and tissue sample preparation and analysis using EPA approved methods and various state specific methods. His hard work, dedication, and comprehensive understanding of day-to-day operations of the business have led him to his current position as Chief Operating Officer, and he has directly contributed to the success of the business on many levels. In addition to overseeing business operations, budgeting, staffing, and resource management, Aaron is also accountable for researching and implementing new methods and technologies as the environmental testing field continues to evolve.

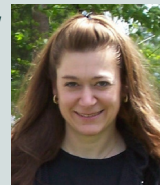
Meet The People



Jason Muchmore, Manager of Indoor Air Quality

Jason studied Marine Science and GIS at the University of Maine at Machias and joined Absolute Resource Associates in August of 2013 as a member of our Indoor Air Quality Division. He is a Board-Certified Indoor Environmentalist, certified Asbestos Project Monitor, Asbestos Inspector, Asbestos Project Designer, and Lead Inspector. As Manager of ARA's Indoor Air Quality division, Jason oversees all personnel, equipment and field activities related to ARA's mold, lead, asbestos, and other indoor air quality investigations.

Jennifer Guerette, Quality Assurance Officer



Jennifer has a BS in Biology from the University of New Hampshire and joined Absolute Resource Associates in 2001. Initially, Jen was responsible for preparing and analyzing soil, water, and waste samples for VOCs, ensuring method compliance and quality assurance requirements. Her strong work ethic and passion for customer service led Jen to the position of Customer Service Manager, and, more recently to her current role as ARA's Quality Assurance Officer. Jen plays a critical role in ensuring ARA's quality system is in compliance with regulatory guidelines and requirements. Her responsibilities include maintaining all licenses and accreditations, performing internal audits, calibrating support equipment, and providing QC data for our customers.



Jean Gennaro, Director of Marketing

Jean joined Absolute Resource Associates in 2010 as the Director of Marketing. Jean studied Communications at Pennsylvania State University and the University of New Hampshire. An award-winning video producer and published writer, Jean has 30 years of experience working in media and marketing. Her broad experience includes corporate marketing, news, advertising (television, radio, print and web), television production, graphics design, public relations, social media, and web-based marketing. Jean was the architect for ARA's name change and re-branding strategy in 2010, and her creativity, broad experience and marketing savvy have been instrumental in helping to shape the ARA brand in the marketplace.

Cathy DeWees, Business Administrator

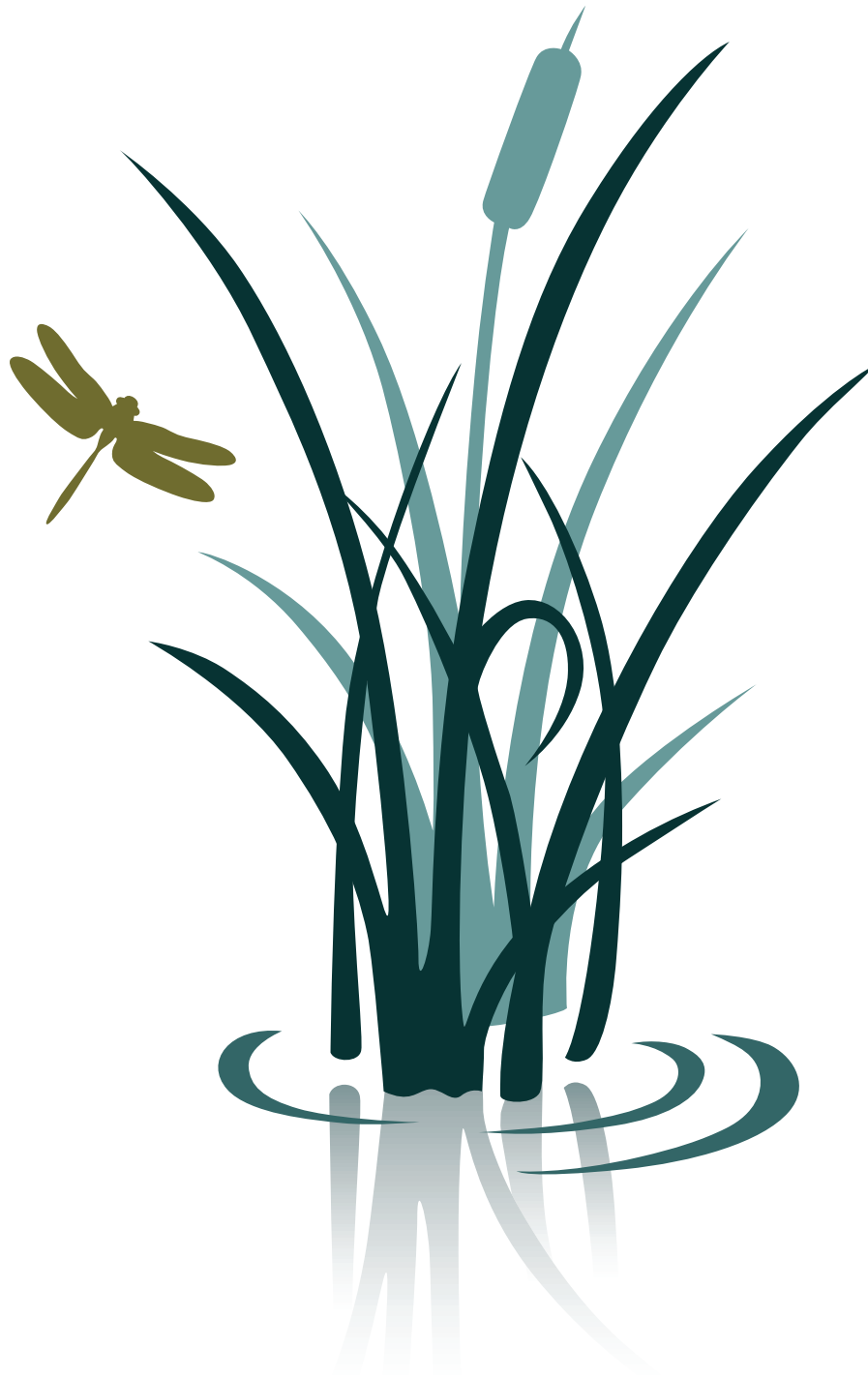


With a background in English and Education, and a Bachelor of Arts Degree from UNH, Cathy has been with ARA since May, 2015. Cathy has had many roles at ARA over the years, including Administrative Assistant, Project Manager, Business Development, Human Resources, Finance Assistant and Customer Service Manager. Her extensive experience in so many areas of the business have made her such a valuable member of the ARA team that it was a natural fit to name Cathy as Business Administrator in 2020. As such, Cathy supports customer, vendor, and employee needs, and can handle almost every task, project or challenge that comes her way.



Alex Alterisio & Willie Stone, Laboratory Supervisors

After earning his Bachelor of Science degree in Biology from UNH, Alex Alterisio joined ARA in 2015 as laboratory technician, working both in the lab and on the road. Alex was quickly promoted to lab analyst, operating and maintaining the gas and ion chromatographs used for the analysis of petroleum, PCBs, pesticides, and anions. With ten years of Environmental Laboratory experience and a dual degree in Mathematics and Chemistry, Willie Stone was hired in 2019, and jumped right into his role as Inorganic Chemist, performing analyses such as BOD, COD, and Cyanide. Both Alex and Willie were instrumental in bringing ARA's PFAS capabilities online in 2020, and together they oversee all PFAS operations and analyses at ARA. Because of their excellent leadership, problem solving, and collaborative skills, Alex and Willie were both named Laboratory Supervisors in 2021.



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