



Richert Environmental Associates, LLC

20 Years of Service

Betsy Richert, Managing Owner

Project Experience

<i>Air Pollution Prevention</i>	Prepared Title V Air Permits for an auto and paper manufacturer; prepared Synthetic Minor – State Facility Permits for paper manufacturers; and assessed the impacts of installing a replacement, 58 MBTU boiler and New Source Review requirements under the Clean Air Act.
<i>Integrated Contingency Planning</i>	Wrote Integrated Contingency Plans (ICPs) to meet federal guidance and corporate policies. ICPs included state and federally mandated documents such as: Spill Prevention, Control, and Countermeasure (SPCC) Plans, Spill Prevention Reports (SPRs), Facility Response Plans (FRPs), Best Management Practices Plans (BMPs), and Stormwater, Pollution Prevention Plans (SWPPPs).
<i>Emergency Planning & Community Right-to-Know Act (EPCRA)</i>	Evaluated chemical inventories containing toxic or carcinogenic substances to maintain and update Forms Rs for Toxic Release Inventory (TRI) reporting at manufacturing sites; reviewed chemical inventories to determine presence of Persistent Bioaccumulative and Toxic (PBT) chemicals; and prepared Tier II Reports for hazardous substances and mixtures.
<i>Storm Water Inspections and Permitting</i>	Inspected industrial sites to assess compliance with state and federal storm water criteria; prepared storm water permits issued through the National Pollutant Discharge Elimination System (NPDES) program; prepared a draft storm water general permit for US EPA as a subcontractor; prepared BMPs and SWPPPs for industrial operations; and reviewed storm water sampling data for compliance reviews and reporting.
<i>Storm Water, Pollution Prevention Plans/Best Management Practices</i>	Conducted site evaluations to develop BMPs at industrial operations; developed SWPPPs and associated drainage plans; and designed sampling protocols to meet permit requirements.
<i>Wastewater Inspections and Permitting</i>	<p>Developed water quality-based NPDES permits for industrial and municipal wastewater treatment facilities as a subcontractor; and performed Compliance Evaluation Inspections (CEIs) at wastewater plants which called for unpredictable travel and operating autonomously with little field support.</p> <p>Prepared State issued wastewater discharge permits, and negotiated permit modifications from regulatory authorities on behalf of manufacturers. Negotiations included preparing statistical evaluations of discharge data, evaluating stream allocations for pollutants, and calculating new effluent limitations based on manufacturing production rates.</p>
<i>Environmental Management Systems</i>	Designed and implemented multi-media, environmental management systems (EMSs) for manufacturers to monitor compliance and to measure environmental performance.
<i>Educational Outreach</i>	Designed and prepared promotional materials for the Air National Guard's EMS and source reduction program.
<i>Petroleum Tank Assessment and Close Outs</i>	Inspected commercial operations with petroleum releases; provided engineering services for tank integrity testing; filed necessary close out reports with the New York State Department of Environmental Conservation (NYSDEC); and prepared a summary of historic property uses, previous oil spills and documented/compiled all soil sampling results.
<i>Chemical Bulk Storage</i>	Prepared SPRs for manufacturers storing listed chemicals above threshold quantities; and prepared State required, storage registrations for on-site bulk containers.



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Project Experience *continued*

<i>Threshold/Reporting Spill Quantities</i>	Developed a reporting and sampling threshold policy for chemical spills based on wastewater treatment capacity at a silicon chip manufacturer; and prepared Consent Order language which now serves as an alternative to state reporting standards for the facility.
<i>Phase I Site Assessments</i>	Conducted Phase I Site Assessments for real estate transactions which included reviewing aerial photographs, past uses of the property, and conducting data base searches.
<i>Pesticide Application</i>	Reviewed literature on the efficacy of using a registered pesticide, <i>Bacillus thuringiensis subspecies israelensis (Bti)</i> , in pristine waters to control insect populations, and provided cost data per application for 22 towns in the Adirondack Park.
<i>Oil Pollution Prevention</i>	Conducted inspections to prepare SPCC Plans for manufacturers and universities storing petroleum products near navigable waters; prepared a report on the structural integrity of the secondary containment capacity for a 70,000 fuel tank on the Connecticut River; and reviewed Vermont and New Hampshire oil containment requirements.
<i>International Compliance with European Union (EU) Directives for Fragrance Safety/Software</i>	Supported clients who exported goods to the EU in the pre-Registration, Evaluation, and Authorizations of Chemicals (REACH) era; determined Risk and Safety (R&S) phrases for EU Material Safety Data Sheets (MSDSs); developed database system requirements for determining R&S phrases; developed online software products for calculating percent concentrations of skin sensitizers for EU Allergen Declarations and for complying with the International Fragrance Association's (IFRA) 43rd Amendment; and provided a compliance audit against the International Dangerous Goods regulation for transporting alcohols.
<i>Land Use Development and Permitting</i>	Assisted municipal staff modify land use classifications to enable development within their hamlet; conducted research and provided evidence that a 1974 subdivision was decided in error and secured the area for community use as an interpretive walking trail; and obtained an industrial permit from a state land use agency to use paper mill sludge as a growing medium to reclaim an abandoned mining site.
<i>Concentrated Animal Feed Operations (CAFOs)</i>	Provided support on the 2008 final CAFO regulations as a technical editor; and provided state reviews of nutrient management plans.
<i>Florida Nutrient Criteria Rule</i>	Provided support on compiling public comments on 40 CFR 131.
<i>Permit Quality Reviews – Conflict of Interest Sites</i>	Provided reviews of mining operation and coal fired utility permits for NPDES completeness.
<i>Electric Power Supply and Closed Loop Cooling Systems</i>	Provided support analyzing the consequences of using closed loop cooling towers at power plants, as required under the proposed federal Phase II Section 316(b) rule; compared technical information on air emissions and fossil fuel consumption rates at once through plants vs. closed loop systems; and assisted with drafts of the final rule for OMB and the Preamble for the Federal Register.



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Extra Credit

Superfund

Ms. Richert provided support to the Superfund emergency response and removal program for lead contamination in soils and oil spill management; prepared briefings on removing hazardous materials at clandestine, Crystal Meth laboratories; and collected alternative treatment technology data for over 100 Superfund sites. She also researched and compiled regulatory information for removal actions at abandoned mining sites under the Resource Conservation and Recovery Act (RCRA) program.

Recycling and Solid Waste Management

Ms. Richert developed and implemented an 8-county, recycling program in a rural and economically disadvantaged region. Her responsibilities included identifying markets for materials collected from municipal programs; preparing grant applications for stakeholders to acquire recycling related equipment; and serving as a source reduction/waste minimization expert for the regulated community. She reviewed recycling plans for governmental stakeholders, tire derived fuel plants, and construction and demolition (C&D) reuse operations. She also conducted inspections at permitted operations for recycling municipal solid waste and tire storage operations.

Key Skill Sets

- Collaborating and networking to establish professional teams for client-driven assignments;
- Preparing documents requiring a broad technical knowledge-base and strong writing skills;
- Permitting multi-media program areas (i.e., septic, wastewater, stormwater, air and land use);
- Designing custom software for compliance monitoring;
- Managing challenging field work assignments;
- Cultivating new clients and developing new business opportunities;
- Developing innovative niche services; and
- Providing high-end and time sensitive deliverables to clients.

Biography

Ms. Richert is a well-seasoned, environmental scientist with strong skills in business and compliance management. Her on-site regulatory auditing and monitoring assignments focus on: storm water management, wastewater treatment, air resources, and chemical/petroleum/hazardous waste storage. Ms. Richert has extensive experience working with state and federal regulatory agencies on behalf of her clients, and previously served as a New York State Department of Environmental Conservation regulator, and as a subcontractor to the US Environmental Protection Agency.

She works best in fast-paced, deadline driven arenas, and excels at networking and collaborative problem solving. Ms. Richert consistently demonstrates her talents in team building, client development, and operating a profitable business venture for two decades.



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Other Business Interests

Soft Paths Guide Service (Outdoor Recreation)

Dedicated to outdoor leadership and to-the-limit adventuring for CEOs (clients include Morgan Stanley and Associated Press Executives.)

Aromalink (On-Line Software)

Designed to help fragrance manufacturers comply with EU MSDS requirements, and threshold quantities of regulated chemicals in Europe under REACH. Aromalink was sold in 2008 to a private party.

Summers Only (Turn-Key Home Comfort Services)

Designed to support second home owners with home-like amenities and comfort care-taking, on arrival to their seasonal residences (i.e., stocked refrigerator and liquor cabinets, fresh linens on beds, flower baskets arranged and planted, deck furniture freshly painted and arranged.)

Waggit (Animal Care Services)

Designed to help business professionals with daily animal care, or extended animal care during family vacations or holidays.

Outside Interests

Betsy Richert competes as an elite, Nordic ski racer. In 2010, Betsy won eight out of 10 cross country ski races in New England, including her crushing 45 minute lead to the finish at the Trapp Family Lodge to Bolton Back-country ski race in Stowe, Vermont, and snagging the winning time for women at the Lake Placid Loppet. She also achieved her personal best at the Canadian Ski Marathon, a two day, 100-mile point-to-point event. Richert completed both days in less than 9 hours.

Betsy also competes as a road bike cyclist. In the summer of 2010, Richert won the Time Trial Series in Lake Placid which consisted of 8 individual races against women of all ages. She also competed in the BUMPS (Bike Up Mountain Point Series) races, and completed the legendary Six Gap ride through Vermont in less than 10 hours. She captured the winning time for women at the uphill stage of the 2011 Whiteface-Wilmington road race.

Education

B.S., Environmental Science / English (Double major)
State University of New York at Plattsburgh, 1986

M.A., Science, Technology and Public Policy
Elliot School of International Affairs,
George Washington University, 1990

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