

Robert L. Rafferty **Senior Consultant**

Summary of Qualifications

- More than 24 years of occupational and environmental health and safety experience helping clients assess and manage a wide range of environmental health risks
- Professional experience includes both private consulting and regulatory agency service, most recently serving 8 years with the New York State Department of Health, Center for Environmental Health, Bureau of Toxic Substance Assessment
- Performed more than 50 on-site environmental health and safety oversight services for projects across the country and in Puerto Rico
- Performed more than 100 environmental health and safety audits for Fortune 100 companies
- Provided more than 100 lead, asbestos, and hazardous material assessments for Fortune 100 companies

Professional Certifications / Associations

- OSHA 40-Hour HAZWOPER
- NIIMS Incident Command System ICS 100 & 200
- NYSDOL Asbestos Inspector and Project Monitoring Certifications (#89-00783)
- American Industrial Hygiene Association, Local Chapter - Member

Professional Highlights

COLDEN CORPORATION

Working as a senior consultant out of Colden's Albany Tech. Valley office, Mr. Rafferty provides client management services, project management, environmental health and safety consulting, and health and safety training services.

Ongoing EHS Consulting, Fortune 100 Firm – Manages IH service contract for 2,700-employee GE Global Research Center in Niskayuna, NY. Includes program development, OSHA compliance and training sessions, daily GenSuite reporting, weekly reporting and two to three employee IH sampling events each week.

Environmental Monitoring for NYC Subsurface Soil Sampling – Led subsurface soil sampling for proposed multi-story hotel in Manhattan. Eight samples were collected and sampled for the potential presence of multiple constituents including volatile organic compounds, semivolatile organic compounds, heavy metals, herbicides, and pesticides. The sampling results indicated several analytes slightly above the NYSDEC cleanup standards. Assisted the client and sub-contractors on proper soil disposal options.

Asbestos and Lead Management, GE Energy – Managed two asbestos and lead inspection projects and an abatement project for Building 5, GE Energy facility in Schenectady, NY. Included abatement associated with 12 incidental disturbances of overhead TSI, and an inspection for a possible cable installation and sampling lead-based paint on one floor of the building.

HAZWOPER Health and Safety Training, Environmental Engineering Firm – Developed and provided client-specific 8-hour HAZWOPER training program including work on demolition sites and brownfield projects.

HAZWOPER Health and Safety Training, Television Network – Developed and provided a client-specific training session on confined spaces, respiratory protection, and personal protective equipment training programs for a large television media network in New York City.

Moisture Mapping and Mold Assessment, National Insurance Company – Performed a field assessment for a national insurance company of a private residential dwelling damaged by a tornado causing significant water intrusion and moisture damage to impermeable building materials. The inspection including moisture mapping, visual evaluations, and air sampling.

Moisture Mapping and Mold Assessment, Pharmaceutical Research Firm - Performed a field assessment of water-damaged building materials for a pharmaceutical research company in response to a heating and ventilation system drainage failure causing water damage to ceilings and walls. The inspection included moisture mapping and visual evaluations of water-damaged building materials.

NEW YORK STATE DEPARTMENT OF HEALTH, CENTER FOR ENVIRONMENTAL HEALTH

As a research scientist with the Bureau of Toxic Substance Assessment, worked on a wide range of assignments including public health assessments, health and safety training, developing procedures for environmental sampling in high-hazard areas in response to public health emergencies, and helped develop policies for addressing environmental health hazards at licensed or registered day cares. Also served as a Department of Health liaison to federal, state, and city agencies.

Environmental Hazard Assessment, OCFS – Provided technical assistance to the NYS Office of Children and Family Services (OCFS) in developing requirements for day-care providers regarding assessment of environmental hazards. Provided initial 4-hour environmental hazard policy and procedures training to OCFS inspectors. Also provided 4 seminars on environmental hazard policies and procedures to day care providers at quarterly continuing education training programs.

Department of Health Liaison – Department of Health representative serving on a multi-agency work group forming Environmental Assessment Groups for state and local health officials to provide more comprehensive on-scene support of environmental sampling performed

by first responders in potentially high-hazard environments. Collaborated with the Office of Fire Prevention and Control, Wadsworth Center Laboratories, and the Department of Environmental Conservation.

Multi-Agency Environmental Sampling Practice Sessions – Facilitated approximately 20 multiple agency environmental sampling practice sessions serving as the lead Department of Health Liaison.

HAZWOPER 8-hour Annual Training Sessions – Designed and delivered a portion of the Department of Health's 8-Hour HAZWOPER refresher training. Participated as an instructor in approximately 10 annual training sessions.

Respirator Training and Fit Testing Sessions – Designed and delivered the Department of Health's respirator training program and fit testing. Participated in approximately 20 sessions over 8 years involving approximately 100 staff qualified for working with full-face and half-face air-purifying respirators and powered air-purifying respirators.

PPE and Air Monitoring Training Sessions – Designed and delivered approximately 20 presentations on the use of personal protective equipment and direct reading air monitoring equipment for county and local health department staff.

Oil Spill Exposure Assessments – Over the 8-year period with the Department of Health, provided on-site exposure assessments to people affected by residential or commercial-building oil spills. Conducted the field visits with Department of Environmental Conservation spill officers and worked with affected parties to help resolve potential exposures to oil odors.

EARTH TECH, INC. (TYCO INTERNATIONAL)

Mr. Rafferty served as the regional environmental health and safety professional for the east region. His duties included managing the firm's environmental health and safety program as well as providing environmental health and safety consulting services to clients.

- Managed corporate and project-specific environmental health and safety programs
- Provided HAZWOPER, respiratory protection, confined space, personal protective equipment, construction safety, and DOT HazMat 126/181 training
- Conducted audits for Tyco International health and safety programs and coached Tyco owned companies in how to comply with Tyco's health and safety program requirements and helped prepared companies for an upcoming Tyco audit
- Prepared and reviewed health and safety plans for complex projects across the U.S
- Performed industrial hygiene consulting at industrial sites across the U.S
- Provided on site environmental health and safety management of demolition and decontamination and hazardous waste remediation projects across the U.S

- Served as on-site Health and Safety Manager for industrial process dismantlement and decontamination for extended periods of time in New Jersey and Puerto Rico
- Conducted initial survey for confined spaces at Earth Tech water treatment and waste water treatment plants
- Conducted asbestos inspections for site across the U.S.

RUST ENVIRONMENT & INFRASTRUCTURE, INC. (MERGED INTO EARTH TECH)

Mr. Rafferty served as the East Region Environmental Health and Safety Manager. His duties included managing the firm's environmental health and safety program as well as providing environmental health and safety consulting services to clients.

- Managed corporate and project-specific environmental health and safety programs
- Provided HAZWOPER, respiratory protection, confined space, personal protective equipment, construction safety, and DOT HazMat 126/181 training
- Conducted environmental health and safety audits at offices and project sites in the north east region of the U.S
- Prepared and reviewed health and safety plans for site across the U.S.
- Performed industrial hygiene consulting at industrial sites across the U.S.
- Conducted hazardous material assessments and provided project oversight of renovation and demolition projects
- Conducted on-site oversight of environmental contractors at hazardous waste remediation sites across the U.S.

DUNN GEOSCIENCE CORPORATION

Served in a variety of roles, including environmental health and safety consultant and environmental scientist.

- Developed office and project-specific health and safety policy and procedures
- Assisted in training and serving as site safety officer during environmental investigation and remediation projects
- Provided 8-hour HAZWOPER refresher training
- Managed the environmental site assessment group conducting Phase I and Phase II environmental assessment for industrial and commercial clients
- Conducted environmental sampling for a wide range of projects

GALSON TECHNICAL SERVICES

As an industrial hygiene technician, performed fieldwork on industrial hygiene sampling and asbestos inspection and abatement projects.

- Conducted asbestos inspections at several commercial and industrial buildings
- Provided on site project monitoring of asbestos abatement contractors. Served as lead work area inspector and on-site liaison between the contractor and building owner.
- Performed industrial hygiene sampling in industrial settings, working under a Certified Industrial Hygienist

Education

- Syracuse University
Bachelor of Science, Geology (1984)
- Cornell University, Cooperative Extension
Certificate Program in Occupational and Environmental Health (1997)