



MARY ROONEY, P.E.

Associate

QUALIFICATIONS SUMMARY

Ms. Rooney has 19 years experience managing compliance and permitting issues for manufacturing facilities and engineering projects. Her broad technical experience includes plan preparation, auditing, permitting, and pollution control design. Ms. Rooney uses her strong management and communication skills to develop a compliant and workable environmental program in conjunction with facility personnel and regulators.

EXPERIENCE

Key Projects

Regulatory Compliance and Permitting

- Reviewed ten existing air permits for a New Jersey R&D facility that was out of compliance. Calculated air emissions for new process equipment. Obtained new, site-wide pilot plant permit and modified/combined other permits to streamline the facility's regulatory commitments. Client saved \$6,000 per year in renewal fees.
- Prepared SPCC, PPC and SPPP plans for a PA manufacturer that had been out of plan compliance. EnviroAce evaluated the existing contingency plans and reviewed plant operations relative to changing regulations. To reduce the compliance burden, EnviroAce combined the three plans into a single, comprehensive plan meeting the facility's compliance needs.
- EnviroAce prepared over thirty environmental guidance and procedure documents for several nuclear power plants. These documents streamline the permit implementation, tracking and reporting process and coordinated environmental compliance at seven facilities in three states.
- Evaluated the permitting requirements and prepared the necessary permits for the installation of 10,000 feet of larger diameter water main and 5,000 feet of access road in Wilmington, Delaware. Permits included ACOE general permits, state wetlands permits, county and state erosion and sediment control plans and permits and coordination with DelDOT and CSX to cross I-95 and rail lines.
- Served for two years on NJDEP's committee to develop the State-of-the-Art (SOTA) Manual for On-Site Remediation. The Manual outlines the preferred air pollution control technologies and performance levels.

Brownfields

- Oversaw the demolition and restoration of a one-acre industrial site adjacent to an Exceptional Value waterway. Work included building demolition, UST removal and sampling, stream bank restoration and returning site to its riparian state.

- Coordinated the demolition of a 75,000 square foot, electrical components manufacturing facility. Issues addressed included disposal of asbestos containing materials, lead-based paint, HFCs, mercury containing fixtures and PCB oil.

Site Investigation

- Prepared Remedial Investigation Reports analyzing data and recommending clean up technologies for more than 15 Underground Storage Tank (UST) sites. Developed work plans, cost estimates and subcontractor schedules for projects. Investigations were regularly completed on time and within budget.
- Oversaw Conducted Phase II investigations at dozens of UST sites. Observed excavations and documented subsurface conditions, oversaw excavation of contaminated soils, supervised location and installation of groundwater monitoring wells and sampled and maintained remediation systems.

Industrial Site Remediation

- Prepared a conceptual design for a groundwater treatment system to remove iron and a complex range of VOCs and SVOCs. Groundwater iron levels averaged 80 ppm. Remediation technologies included iron removal, UV/oxidation, air stripping, and mechanical dewatering of iron-rich sludge.
- Oversaw design and installation of four thermal treatment systems that removed creosote, phenols, PAH's and dioxins/furans from soils at a Maryland Superfund site. The three plus year, 24/7 project treated an average of 18 tons per hour of soil through the two continuous (Calciners) and two batch treatment systems.
- Designed complex groundwater treatment system to process influent VOC loadings of up to 12 pounds per hour at flow rates of up to 90 g.p.m. System incorporated closed-loop nitrogen stripping, regenerative, vapor-phased adsorption, solvent recovery, and liquid-phased carbon absorption.

Positions

EnviroAce, Environmental Consultant and Owner, (1999 - Present)

VFL Technology Corp./ETG Environmental, Inc., Senior Project Engineer, (1994-1999)

Geo-Environmental Consultants, Project Engineer II, (1993-1994)

DPRA, Inc., Project Engineer, (1991-1992)

U.S. Peace Corps, Assistant Municipal Engineer in Embu, Kenya, (1988-1990)

CREDENTIALS

Licensed Professional Engineer in Pennsylvania, New Jersey and Delaware.

Certified Compliance Auditor in New Jersey.

Certified UST Closure and Subsurface Evaluator in New Jersey.

OSHA 40 Hour HAZWOPPER (1910.120) Training.

OSHA 8-Hour Supervisor Certificate.

Penn State University, B.S. in Civil Engineering, 1988.

Skilled in use of AutoCAD, MS Office and Corel software packages.