

Julie Scott, PE, TURP Principal Engineer

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Technical Specialties:

Ms. Scott has fifteen years of experience providing environmental consulting services and strategic planning for a variety of clients including industrial facilities and insurance carriers. Ms. Scott has significant experience with site investigations, remedial design/operation, wastewater treatment design and permitting, and environmental compliance auditing and permitting. She has substantial experience working on remedial projects and has performed and managed various site investigation activities, designed and implemented site remedies including groundwater treatment and recirculation, in-situ chemical oxidation, soil vapor extraction and air sparge systems. Ms. Scott has also provided compliance and design services associated with wastewater, air, hazardous materials, storm water, and petroleum storage for a wide variety of commercial, industrial, state, and municipal facilities.

Experience Summary:

Prior positions and work experience include Senior and Project Engineer at Roux Associates, Inc.; Staff Engineer at Mabbett & Associates; Environmental Engineer at Jacques Whitford, Co.; and Project Engineer at GEI Consultants, Inc.

Credentials:

B.A. Environmental Sciences, Boston University, 1999
M.S. Water Resource Engineering, Tufts University, 2002
Professional Engineer, State of Massachusetts #49900
Massachusetts General Practice TUR Planner #X258735

Health and Safety Training:

OSHA 40-Hour HAZWOPER Training
Annual OSHA 8-Hour Refresher Training
Asbestos Awareness 8-Hour Training

Key Projects:

Site Investigation/Remediation

- *Chlorinated Solvent Plume Site, Andover, MA.* Designed and implemented a multi-system remedial project for mitigation of a chlorinated solvent plume in order to achieve site closure in less than 5 years. Mitigation measures included ISCO treatments, soil-vapor extraction, air sparging, recirculating groundwater pump and treat, and various indoor air mitigation measures. Prepared MCP reports including remedial action and implementation plans and partial site closure reports.
- *Former Chemical Manufacturing Plant, Lewiston, ME.* Conducted data gap investigation for on-going remediation site containing multiple chlorinated and petroleum plumes. Developed and managed the implementation of a full scale investigation, including advancement of borings in a shallow and deep aquifer, hydraulic connectivity testing in a downgradient brook, and hydraulic testing. Developed a conceptual site model and evaluated feasible remedies to replace an existing and antiquated groundwater pump and treat system.
- *Compressed Gas Manufacturer, East Rutherford, NJ.* Provided field oversight and project management for a large construction project at a former compressed gas manufacturing and distribution plant. Prepared and oversaw implementation of remedial work plan for the exhumation of potentially hazardous compressed gas cylinders from the subsurface. Participated in meetings and discussions with regulatory agencies to determine project scope and completion criteria. Also worked with client's lawyers to develop a conceptual site model and determine the potential off-site transport of contaminants as part of a multiple PRP allocation project. A

deminimus contribution was determined for the client and accepted by the EPA, saving the client over \$7M in cleanup fees.

- *Chlorinated Plume Site, Georgetown, MA.* Provided field investigation and project management services associated with a bedrock chlorinated plume. Designed and implemented an ISCO injection and recirculation system to treat impacts to both overburden and bedrock groundwater. Worked with municipality and subcontractors to connect downgradient receptors to the town sewer system and to close residential drinking water wells. Prepared regulatory reports including biannual response action monitoring reports.
 - *Petroleum Release, Somerville, MA.* Provided release delineation and remediation services for a large communications client. Designed and implemented the in-situ treatment of petroleum impacted soils beneath a building using bioremediation additives. Closed the site in accordance with MCP requirements.
 - *Parcel Service Facility, West Yarmouth, MA.* Designed and permitted an industrial wastewater holding tank system including piping systems and leak detection monitoring systems. System design required special double-walled piping and tank materials along with continuous leak monitoring because the facility is located within the zone of influence for the town's drinking water supply wells. Served as engineer of record and sat before the town's Board of Health to certify that the system design and installation was protective of the drinking water supply.
 - *Heat Treating Facility, Melrose Park, IL.* Served as project manager and field manager for multi-system remedial site at a large industrial facility in Illinois. Responsible for the implementation of DNAPL and LNAPL recovery systems and a groundwater pump and treat system in accordance with Illinois' Voluntary Cleanup Program. Designed and implemented pilot programs for low vacuum recovery of LNAPL and flushing and extraction of cyanide impacted soils beneath a building. Prepared regulatory reports and performed subcontractor, client and field staff coordination.
 - *Municipality, MA.* Works with a local municipality and its water treatment plant to monitor contaminated groundwater in the vicinity of the town's drinking water withdrawal wells. Provides recommendations to the town relating to temporary shut downs of certain drinking water wells and the impacts of off-site chemical plumes to the water treatment plant. More specifically, works with the town to prevent 1,4-dioxane from entering the drinking water withdrawal wells and treatment plant since the plant is unable to remove 1,4-dioxane to current drinking water standards.
- ### Insurance
- *Dry Cleaner Site, Glencoe, IL.* Worked on behalf of an insurance company to assist in the development of an expert opinion concerning the environmental conditions at the site and adjacent properties and whether investigative techniques and approaches used at the site were conducted in accordance with USEPA guidance for investigating sites where dense non-aqueous phase liquid (DNAPL) is present. The proposed remedial option and the estimated future costs were also reviewed for reasonableness and appropriateness.
 - *Pipeline Release, Marshall, Michigan.* Worked on behalf of an insurance company to review emergency response actions and the standard of care used while responding to a release of

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crude oil from a pipeline. Evaluated whether response actions were consistent with the insured's internal response policies and whether the insured's internal response policies followed knowable response guidance at the time and were adequate for addressing the type of release that occurred.

- *Dredging Remediation, Marshall, Michigan.* Worked on behalf of an insurance company to provide an expert opinion regarding the potential for recontamination of three dredge sites along a river. Reviewed investigation data and hydrodynamic studies and was able to show that upstream contamination that was not remediated as a result of the dredging had a high potential for migrating to and recontaminating the dredged areas.
- *Former Wood Preserver, Warsaw, Virginia.* Provided settlement support related to past and future costs for addressing third party damages at a former wood preserving facility. Evaluated necessity and appropriateness of remedial actions completed to date and proposed future actions. Conducted invoice review for claimed past costs and identified a substantial amount of claimed costs that were not associated with third party remediation.
- *Floor Remediation, Needham, Massachusetts.* Served as principal in charge of remedial oversight activities conducted on behalf of an insurance carrier. Remedial activities, including ozone washing and heat treating, were implemented to eliminate VOCs and odors from a flooring system that were negatively impacting produce and food products in a farm store. Provided opinions regarding the necessity and appropriateness of proposed remedial options and associated costs.
- *Former Smelter, Sandoval, Illinois.* Worked on behalf of an insurance carrier to evaluate the past and future costs associated with a former smelter facility on the NPL. Estimated the allocable share of the insured (a PRP) which shipped metal waste to the site for smelting.
- *Former Timber Mill, Eureka, California.* Worked on behalf of an insurance company to assist in the development of an expert opinion regarding whether the insured knowingly discharged pollutants to the soil, groundwater, or surface water as a result of plant operations during the period of policy coverage.
- *Various Sites, Michigan.* Worked on behalf of an insurance company to review an environmental cost package prepared on behalf of the insured for eleven sites. Evaluated and provided an opinion on past investigation and remediation costs and prepared estimates of reasonable future costs for anticipated cleanups at power plants, MGP sites and various PCB sites. Provided settlement support associated with the portfolio.
- *Various Sites, Various States.* Worked on behalf of insurance companies to review environmental claims and provide opinions regarding the reasonableness and appropriateness of environmental costs and response actions.