



# PROFESSIONAL PROFILE



## Jerome J. Tolosko, PG

### Vice President | Principal Hydrogeologist

#### CONTACT INFORMATION

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#### EDUCATION

BS, Geology, Bridgewater State  
College, 1985

#### PROFESSIONAL LICENSES

Texas Professional Geoscientist  
#12765  
Massachusetts Licensed Site  
Professional #3835  
New Hampshire Professional  
Geologist #00254  
Industrial Wastewater  
Treatment Plant Operator,  
Grade 3, License #6183

#### EXPERIENCE SUMMARY

Over 30 years of experience working in many areas of the environmental industry including managing and conducting complex characterization and remediation projects for contaminated sites across New England and in the southern U.S. Regulatory liaison and client support with experience working with regulators and governmental agencies to facilitate work scope approvals, permits and achieving regulatory compliance with State and Federal programs. Development and implementation of project and regulatory closure strategies. Management, support, and oversight of staff for large scale petroleum release sites, due diligence assessments, industrial facility permitting and closures, pre-acquisition site assessments, Brownfields Redevelopment, litigation support and expert testimony, and environmental regulatory compliance audits.

Prior positions and work experience include New England Operations Manager for Roux Associates; Principal Hydrogeologist and Senior Hydrogeologist at Roux Associates; Senior Project Manager at Fluor Daniel GTI; and Geologist at New England Environmental Technologies Corporation.

#### TECHNICAL SPECIALTIES

Mr. Tolosko's technical specialties include providing environmental consulting services and strategic planning to the petroleum and energy industries and real estate developers. Mr. Tolosko's responsibilities involve developing, planning, and implementing large complex environmental projects for petroleum and energy clients. He has directed assessments and remediation projects at numerous terminals, pipeline facilities, former and active refineries, and manufacturing facilities, as well as Brownfields redevelopment projects. Mr. Tolosko has managed projects to develop, plan and implement strategies and procedures to address environmental compliance at industrial facilities and construction sites. He has conducted real estate portfolio liability evaluations and pre-acquisition assessments and evaluations. He has directed numerous risk assessments used to guide and develop strategies to achieve regulatory closure using remedial alternatives or restricting/limiting certain future uses of sites. Mr. Tolosko also has significant experience in managing and coordinating emergency response actions to spills at industrial and bulk petroleum/chemical facilities and transit systems.

Mr. Tolosko is also a licensed Texas Professional Geoscientist, a Massachusetts Licensed Site Professional and a New Hampshire Professional Geologist. Mr. Tolosko has closed several sites in the U.S. including service stations, terminals, pipeline sites, industrial facilities, and rail yards. Mr. Tolosko also has experience in operating wastewater treatment plants and is a Massachusetts Industrial Wastewater Treatment Plant Operator.

#### REPRESENTATIVE PROJECTS

- **Principal Director for Large Active Refinery, Texas.** The scope of work includes the evaluation and validation of conceptual site models for several LNAPL plumes at the active facility and evaluate potential environmental exposure pathways at and adjacent to the study areas. Work also includes the review of historical documents and the evaluation of methods to collect historical environmental remediation data and information which was previously used to prepare environmental documents and conduct remediation at the facility.
- **Project Principal for a Former Alumina Refinery, Southeastern Texas.** Leads a team of Roux staff in the development, planning and implementation of environmental compliance for a large former alumina refining facility. Currently, the Roux team is developing a comprehensive management plan that includes remedial design, pollution prevention, waste management, health & safety, SWMU identification and management, short- & long-term water needs, water

conservation, landfill and lagoon management and contractor oversight. In addition, environmental assessments and remedial design are being implemented at the Site.

- **Port of Houston.** Site is a former industrial facility with chlorinated solvent contamination. Facility is owned by a third party and is used for light industrial use. Roux completed an APAR at the Site and is currently evaluating remedial options including monitored natural attenuation.
- **Project Director for Big-box Multi-national Retail Chain.** Developed environmental contingency plans for various sites including management plans for construction-related stormwater and spill response plans, excavation activities, materials storage and handling, and response to subsurface contamination. Where applicable, our work involved awareness training for properties where institutional controls had been implemented.
- **Principal Director for Large Residential Developer with Offices in New England and Texas.** Work has included the assessment of several high value properties to support acquisitions and divestments of key assets, hazardous building materials assessments, environmental pro forma, environmental strategy, evaluating potential vapor intrusion scenarios, ground penetrating radar surveys, phase I environmental site assessments and remediation.
- **Principal Director/Project Director for Large Active Petroleum Bulk Storage and Distribution Terminal and Pipeline Facility, Boston, Massachusetts.** The terminal is serviced via marine access and includes a large volume pipeline connected to a major international airport. Project has involved site investigations, Release Abatement Measures, Immediate Response Actions, risk assessments and various Massachusetts Contingency Plan response actions including active remediation. Project has also involved legal actions between former and current owners regarding responsibility for contamination at the facility. Successfully represented my client in achieving a favorable decision and seven-figure financial award for a release of petroleum at the Site. Several areas have been closed at this facility under Mr. Tolosko's direction including releases of LNAPL and a release which was impacting a surface water body.
- **Project Principal, Major Port, Petroleum Terminal/Distribution Facility, New York.** Project involved the investigation and remediation of several areas of the terminal which is located on the Hudson River. Worked with my client to develop a *pro forma* for the project in anticipation of the sale of the terminal assets. Supported the construction of several improvements at the facility including expansion of the rail loading/offloading facility. Was involved in the planning and implementation of a large-scale remediation and dredging project which involved the Hudson River adjacent to the terminal. Included the removal of 3,000 tons of sediment, installation of sheet pile wall, activated carbon trench and phyto-remediation plot. The project was completed on time and under budget resulting in significant cost savings to the client.
- **Project Director/Manager for Over 10 Large Bulk Petroleum Storage and Distribution Facilities (Terminals), a Former Lube Oils Manufacturing and Packaging Plant, and Three Petroleum Pipeline Sites.** Work involved investigation and remediation of these assets which during the work were either active or decommissioned. Several risk assessments and remedial feasibility evaluations were performed. Projects were located in Connecticut, Maine, Massachusetts, New Hampshire, New York, and Vermont. Several of these projects have achieved regulatory closure or were successfully divested.
- **Project Principal for Investigating a Site Situated on one of the First Refineries in the US.** Project involved investigation of several properties that at one time were part of or adjacent to the former refinery. Successfully coordinated investigation and remediation activities with regulatory officials and was able to limit investigation of known releases. The project is currently in various stages of investigation, cleanup, and redevelopment.
- **Principal Director for a Major Oil Company Involving an Asset, Everett, Massachusetts.** The Site is a bulk storage and distribution facility and a former refinery. Project has involved large-scale explorations, investigations, and rehabilitations of the storm water collection system for the former refinery and active petroleum bulk storage facility. Project involved the successful mapping of over 5 miles of piping and the repair/reconstruction of several components of the system as well as the abandonment and re-design of other critical system components. Work was successfully completed in active areas of the Terminal including areas owned by a third party. Currently evaluating LNAPL at the site and implementing the closure strategy.
- **Principal/Director of Redevelopment Project, Downtown Boston, Massachusetts.** Project included completion of Phase I and Phase II ESAs to satisfy financing requirements. Due to the presence of separate-phase oil, Roux performed additional assessment response actions under the Massachusetts Contingency Plan. Additional assessment activities and evaluation conducted indicated an off-site source. Roux was successful in filing a Downgradient Property Status (DPS) report and working with stakeholders to proceed with the development. The project site was audited by MassDEP and the DPS was accepted.
- **Project Principal/Director, Brookline, Massachusetts.** Included the evaluation of contaminated fill including the in-situ waste characterization to assist in the redevelopment of the site into a hotel/hospitality facility. In addition, Roux

provided management and oversight of the assessment and abatement of hazardous building materials and worked with the demolition contractor to obtain permits and approvals for the abatement and disposal of hazardous building materials including asbestos and PCB-containing building materials.

- **Project Principal for the Assessment and Remediation Associated with the Acquisition of a big-box store, Somerville, Massachusetts.** Assisted client in the pre-acquisition assessment (Phase I and II ESA) of a large property in downtown Somerville, MA. Prior to acquisition, an excavation contractor encountered contaminated soil while implementing repairs at the Site. Roux provided oversight of the waste removal, completion and approval of waste transportation and disposal paperwork and air monitoring. Roux also implemented a Remedial Action Plan and provided support to the excavation contractor when a UST was discovered during excavation activities. Roux was successful in closing this site under the Massachusetts Contingency Plan.
- **Project Principal for a Redevelopment Project, Winchester, Massachusetts.** Involves the assessment of a former industrial property and implementation of remedial actions (excavation) to allow termination of an activity and use limitation that was previously recorded in the deed for the site. The client, a developer, is evaluating a redevelopment project for the site that includes residential use. Subsurface investigation activities were conducted based on a targeted approach that utilized existing data and information to limit the scope. Remedial actions including targeted excavation are planned. Roux has pre-characterized the soil for disposal to allow live-loading to avoid stockpiling and unnecessary handling.
- **Project Principal/Director for a Major Petroleum Client, Arbitration Project.** Project involved the collection and presentation of data to support the opinion of a post-closing release and source identification. Developed and implemented the strategy for sampling programs and remediation as required by the state agency. Prepared the Conceptual Site Model used to support the arbitration which led to a favorable ruling for the client.
- **Project Manager for a Major Petroleum Divestment Project.** Managed Phase I and II Environmental Site Assessments for a large retail petroleum company/convenience store chain. The project involved the assessment of over 25 locations in Maine, Massachusetts, and New Hampshire. The assessments involved subsurface investigation including drilling and sampling activities. Successfully met extremely aggressive completion schedule of four weeks per site which included data evaluation, submittal of project reports and an evaluation of future environmental costs associated with each location.
- **Project Manager for Litigation Project Involving Gasoline Release at a Service Station, New York.** Project involved assessing release conditions at the service station and neighboring impacted properties. Project also involved assessing impacted properties to evaluate sources of impact as well as other potential sources. Evaluated fate and transport of release constituents including petroleum additives.
- **Program Manager for Multiple Retail Gasoline Stations in New Hampshire.** Directed a project team performing assessment and remediation activities for convenience store chain. Project involved assessment and remediation of multiple retail gasoline stations in New Hampshire, many of which were conducted during station upgrades/rebuilds. Attended regulatory meetings on behalf of the client, evaluated closure strategies, negotiated permit (GMP) requirements for sites with MNA and active remediation. Implemented remedial strategies.
- **Senior Project Manager for Retail Petroleum.** Directed over 75 environmental projects involving the assessment, containment and/or remediation of petroleum hydrocarbons for a major petroleum retailer at sites in Maine, New Hampshire, and Massachusetts. Tasks performed during completion of these environmental projects included LSP services; development and implementation of site specific work scopes to achieve objectives and ensure compliance with applicable local, State and Federal regulations; communication/negotiation with regulatory personnel; oversight of the collection of soil, water and air quality samples; review, analysis and interpretation of data; interpretation of the level of environmental impact, determination of future liability and regulatory requirements; and preparation of reports. Directed and actively managed the remediation efforts from the conceptual remediation system design and remedial alternative selection to installation and operation/maintenance of the systems. Total annual budget of over \$1,000,000.
- **Project Manager for Due Diligence Phase I and II Environmental Site Assessments, Large, New England Bank.** Project Manager handling 20 to 30 Phase I and II Environmental Site Assessments (ASTM) for the bank on an annual basis. The challenge for this work was to quickly and efficiently identify potential adverse environmental issues and evaluate and quantify risks associated with a variety of industrial and commercial properties. Successful in assisting the client in understanding and the uncertainty associated with various “high risk” properties.
- **Project Manager, Large Utility Company Maintenance Yard.** Completed Phase I and Tier Classification and Phase II assessments in response to a variety of contaminants detected in distinct areas of the site. Contaminants detected included PCBs, petroleum hydrocarbons and metals. Implemented large

scale soil and groundwater sampling programs to assess the site. Completed the Phase II Comprehensive Site Assessment which included an MCP Method 3 Risk Characterization. The results of the Method 3 Risk Characterization allowed the site to be closed with a Response Action Outcome Statement.

- **Project Manager/Site Manager, Large Environmental Site Assessment/Remedial System Installation for a Public Utility.** Managed site activities that included implementing the initial work plan and presenting the results. This quick-turnaround project involved a public utility, a major oil company and a defense contractor. The project involved a substitute natural-gas production facility, located on a 600-acre site in Massachusetts, and redevelopment of the site into a coal-fired electrical generation facility. The former facility consisted of a 150-acre central process area, a 500,000-barrel bulk petroleum storage facility, and various other storage and maintenance facilities. The investigation consisted of an extensive record review and facility audit; a soil boring and monitoring well installation program consisting of more than 50 borehole locations; a soil vapor survey consisting of more than 70 sampling points; and a soil, groundwater, and surface water sampling program consisting of analysis for volatile organic compounds (VOCs), semi-VOCs, and total and dissolved metals. The project was implemented on an accelerated timeline with the final report submitted approximately 3 months after project start-up.
- **Project Manager, Assessment and System Design and Installation at a Retail Gasoline Facility.** Managed site assessment activities and remedial system design and installation at a retail gasoline facility located less than 300 feet hydraulically upgradient from an active public water supply well. Responsibilities included remedial system design and installation oversight, monthly regulatory agency meetings, operation of water table depression system, risk assessment and budgetary control.
- **Project Director for Operation and Maintenance of Groundwater Treatment Plant at Former Metals Fabrication Facility, Massachusetts.** A Groundwater Stabilization Measure (GSM) was implemented at the site under EPA Consent Order. The GSM consists of a gallery of six extraction wells and vertical barrier wall downgradient of the known main chlorinated

volatile organic compound (CVOC) sources. The GSM extracts groundwater from the overburden and bedrock aquifers. Roux Associates' work on the project involves the removal (extraction) of groundwater to prevent off-site migration and subsequent treatment of the groundwater. Main responsibilities include operation and maintenance activities associated with the groundwater extraction pumps and treatment plant operation. Major components of the treatment plant consist of an equalization tank, metals removal system (using chemical addition), clarifier, low profile air stripper, solids removal (filters and filter press) and granular activated carbon. Discharge is to surface water. The groundwater treatment plant was designed to treat up to 110 GPM.

- **Project Manager for Litigation Support Project, Eastern Massachusetts.** Provided technical and regulatory support to an attorney representing a service station owner in a property damage lawsuit brought by an abutter to the service station. Work on the project involved strategy meetings with the attorney and service station owner to evaluate the history of the service station and prepare a response and rebuttal to the lawsuit. Technical support activities included evaluating the environmental damage claims, evaluating whether the response actions performed were necessary and appropriate and evaluating costs associated with the claim. Project is ongoing.

#### PROFESSIONAL TRAININGS

OSHA 40-Hour Health and Safety  
OSHA 29 CFR 1910.120 40-Hour Safety Training  
OSHA 29 CFR 1910.120 8-Hour Supervisor Training  
DOT HM-181/126F Certificate  
Operator Qualification (OQ) Training (several tasks)  
ExxonMobil LPS Program

#### PROFESSIONAL AFFILIATIONS

Texas Association of Environmental Professionals  
Licensed Site Professional Association  
International Council of Shopping Centers (Member)  
NAIOP Commercial Real Estate Development Association (Member)