PROFESSIONAL PROFILE

CONTACT INFORMATION

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209 Shafter Street
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EDUCATION

MS, Hydrogeology, Wright State University, 2002
BS, Geology, Binghamton University, 2000
BS, Environmental Science, Binghamton University, 2000

PROFESSIONAL LICENSES

Certified Safety Professional
New York State Licensed Professional Geologist

Christopher Proce, PG, CSP

National Director of Energy Services
Vice President | Principal Hydrogeologist

EXPERIENCE SUMMARY

Over twenty years of experience: Principal Hydrogeologist with Roux, Islandia, New York, specializing in soil and groundwater investigations and large-scale remediation.

TECHNICAL SPECIALTIES

Development, implementation, and management of comprehensive site investigations. Implementation of remedial action work plans and construction management. Development of long-term remedial strategies and optimization of ongoing operations. Development and evaluation of groundwater and LNAPL analytical models. Integration of site remediation and redevelopment activities at industrial and brownfield sites.

REPRESENTATIVE PROJECTS

- Principal-In-Charge for the ongoing investigation and remediation of a multi-million-gallon release of petroleum hydrocarbon product from a former refinery and petroleum storage terminal in New York City. The project involved meeting numerous consent order and consent decree deadlines for investigation activities, reports, and design submittals, with significant penalty stipulations if work was not performed on schedule and according to specifications. Mr. Proce's technical and management responsibilities included oversight of field investigations, remediation system design and construction, data analysis, report preparation, and permitting negotiations with NYSDEC, NYCDEP, NYCDOB, NYCDOT, and the NYC Fire Department. Technical aspects included detailed spill volume modeling, aquifer testing, numerical groundwater modeling, and evaluation of remedial alternatives. Remediation design and construction included a 27-well, dual-phase (LNAPL and water) extraction system, force mains through NYC streets, two 500-gpm groundwater treatment plants, discharge facilities, and product storage facilities. Evaluation of soil vapor intrusion and development and implementation of targeted soil vapor mitigation measures in a complex urban environment. More recently, he provides strategic consulting on the divestment of real estate assets and environmental liabilities as well as the development of long term plans to minimize life cycle costs.
- Mr. Proce was retained by a major petroleum company as a temporary (6 months) in-house project manager directing a portfolio of remediation projects across the US and Australia, providing direction to consultants' other company staff while reporting directly to senior management. Specific components included remediation of LNAPL in bedrock, fate and transport evaluation of PFAS, closure of SWMUs, and in-situ soil treatment.
- Principal-In-Charge providing ongoing environmental consulting for a major petroleum company in New York City. Mr. Proce's primary role is as the leader of an interdisciplinary team that provides strategy development in limiting the company's long-term liability of a major USEPA Federal Superfund Sediment Site. In this role, he provides technical review of each phase of the project, develops cost allocation models/strategies, and advises on the interaction of various PRPs, citizen groups, and regulatory agencies.
- Principal-In-Charge for the ongoing investigation and remediation of a multi-million-gallon release of petroleum hydrocarbon product from a former refinery and petroleum storage terminal in northern New Jersey. The project is under LSRP oversight, and Mr. Proce was instrumental in bringing the project into compliance with NJDEP 2019/21 deadlines by developing a comprehensive remedial strategy. Includes the investigation of >100 acres of

chromium ore landfilling and development of remedial design. Optimization of extensive, existing LNPAL systems led to removal of infrastructure and reduction in long term O&M costs.

- Principal-In-Charge for on-call environmental services contract with NYC electric utility, focused on the management of legacy remedial sites throughout NYC. Responsible for the stewardship environmental remediation of a portfolio of active/historic substations involving emergency response, assessment, large scale remediation, and long term O&M, to bring sites to regulatory closure.
- Technical Expert testifying in litigation proceedings related to the fate and transport of LNAPL, subsequent remediation, and associated cost recovery related to multi-million dollar mitigation dispute.
- Principal-In-Charge providing ongoing environmental consulting for a major energy generating facility in New York City. Mr. Proce's primary role is to consolidate a long history of spills/liability and implement a long-term site management plan. More recently, he has provided strategic consulting expertise to assist in the closure of the facility and the transition of the facility to a Offshore Wind interconnection facility.
- Principal-In-Charge providing ongoing environmental consulting for a major petroleum company in New York City under a joint consent order with NYC. Mr. Proce's primary role is to provide environmental strategy development support in developing lost cost remedial approach to bring the property to beneficial use and avoiding adjacent USEPA Federal Superfund entanglements. Includes media/sediment data collection, assessment, development of remedial strategies, and negotiations with multiple PRPs and regulatory agencies.
- Principal-In-Charge of the investigation and monitoring of dissolved groundwater contamination associated with historic industrial landfilling in Long Island, New York. Mr. Proce developed sampling strategy and conducted data evaluation to demonstrate that any observed impacts were not migrating off site. Received NFA and closure of Consent Order.
- Principal-In-Charge for the ongoing investigation and remediation of a former lube and wax refinery and petroleum storage terminal in Queens, New York. Mr. Proce serves as technical consultant for this client reviewing all regulatory submittals and advising overall strategy to achieve site closure through the NY State Spills Programs. Mr. Proce serves as liaison to regulators, local property owners and stakeholders. Awarded project by demonstrating significant cost efficiencies and operational improvements over former consultant.
- Principal-In-Charge of the investigation and remediation of a former industrial property in Glen Cove, New York. Mr. Proce achieved the extraction of the site from existing USEPA oversight by determining a lack of connection to adjacent Federal Superfund Site. Incorporation of project into NYSDEC BCP and development of remedial strategies.
- Retained as a technical expert to provide strategic consulting for evaluation of site investigation and remediation strategy at former petroleum storage terminal in the Los Angeles area. Mr. Proce performed review of all data and reports prepared by the primary consultant and provided strategic recommendations to reduce project implementation costs and long-term risk/liability.
- Project Principal for the investigation and evaluation of a site with TSCA-level PCB soil contamination. Utilized soil data, historic surveys, aerial photography, and ancillary research to develop a complex site conceptual model. Mr. Proce was successful in demonstrating to the regulators that the contamination was a result of filling following the client's sale of the property, eliminating their liability.
- Project Principal and consulting expert to evaluate ongoing recovery efforts of former lube refinery in Germany. Mr. Proce was tasked with evaluating existing remedial infrastructure, identifying inefficiencies, and developing a revised remedial approach to satisfy regulatory deadlines.
- Project Principal and part of an expert consulting team tasked with the development of a plan to remove UST systems from 115 retail service stations throughout New Jersey over a two-year timeframe. Mr. Proce was responsible for coordinating a team of client stakeholders (including legal, commercial, public affairs, technical, and safety leads) and creating a framework by which the above project would be executed.
- Retained as a technical expert to provide strategic review of EPA Federal Superfund Site by a major oil company to evaluate groundwater system performance, applicability of ROD amendments, and beneficial reuse plans.
- Principal-In-Charge of a portfolio of retail service stations that were transitioned from other consultants as being too difficult to close. Responsible for developing revised remedial approaches and negotiating with regulatory agencies to achieve closure in an expedited timeframe.
- Principal in Charge of numerous due diligence projects for owners, developers, managers, municipalities, and lenders at commercial and industrial properties throughout the Northeast. Activities included performance of UST evaluations and closures, hot spot remediations, Phase I and Phase II Site Assessments, vapor intrusion studies and mitigation, lead based paint, asbestos and hazardous materials surveys, interaction with regulatory agencies on behalf of clients and development of remedial cost estimates for planning and negotiation.

- Senior Manager and groundwater modeler for a former television production facility in Taoyuan, Taiwan. Project included coordination of a soil and groundwater investigation using Taiwanese consultants and contractors. Investigation included use of a MIP probe to delineate a DNAPL source for 9,000-ft dissolved PCE and TCE plume, installation of 20 monitoring wells, two 48-hour pump tests, construction of a MODFLOW groundwater flow model and MT3D contaminant fate and transport model, and reporting.

PROFESSIONAL TRAININGS

OSHA 40, OSHA 10, DOT HM-181/126F, Red Cross Certified, First Aid, and CPR

PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists

National Ground Water Association

PUBLICATIONS

Modeling Multiscale Heterogeneity and Aquifer Interconnectivity, Ritzi, R.W., Dominic, D.F., Dai, Z. Groundwater, Vol 42, Issue 5, September 2004.