



PROFESSIONAL PROFILE



Christopher Battista

Principal Scientist

EXPERIENCE SUMMARY

Twenty-four years of experience: Senior Scientist II, Senior Construction Manager, Project Scientist, and Staff Scientist at Roux's Islandia, New York and Burlington, Massachusetts offices.

TECHNICAL SPECIALTIES

Management of remediation and construction projects including excavation, UST removal, site capping, liner systems installation, waste material and soil stabilization, groundwater treatment and containment system construction, new building and foundation construction, Brownfields site redevelopment, vapor barrier installation and inspection, and waste management. Also, extensive experience managing environmental site assessments and remedial investigations including soil, groundwater and soil vapor investigation programs.

REPRESENTATIVE PROJECTS

Industrial Site Remediation

- **Former Manufactured Gas Plant, Brooklyn, New York.** In Situ Stabilization/Solidification (ISS) design and implementation manager for a New York State Department of Environmental Conservation (NYSDEC) Superfund Site. Work included preparing a Remedial Action (RA) Plan for performing ISS to 40 feet below sidewalk elevation across an approximately one-acre site with extensive coal tar impacts to soil and groundwater. Detailed design drawings, specifications, and bid documents were prepared, and a formal bid process conducted. The ISS contractor was selected and began work in the fourth quarter of 2024. Development and implementation of the plan required close coordination with the NYSDEC and consideration of significant scrutiny of the work by the local community.
- **Manufacturing Facility, Near Albany, New York.** Project Principal for wastewater treatment assessment and design. The work included the performance of wastewater sampling and analysis, conceptual design development, bench test and on-site pilot test coordination, final design support and regulatory coordination and reporting.
- **River Dredging Project, Western New York.** Construction Manager for a river dredging project related to historic oil refining operations in Western New York State. The project included construction of a haul road over a United States Army Corps of Engineers (USACE) flood control levee, construction of a temporary causeway within the river, dredging of petroleum-impacted sediment and debris, endangered species monitoring, ex situ sediment stabilization, waste management, and site restoration. The work also included regulatory negotiation and reporting to the NYSDEC, USACE, New York State Department of Health (NYSDOH), and US Fish and Wildlife Service (USFWS), and community interaction and coordination with local officials and agencies. This project was highly successful and received praise from the regulatory agencies, local officials, and the local press.
- **Adhesives Facility Remediation, Central Illinois.** Construction Manager and Owners Representative for a waste storage lagoon stabilization and capping project at a former adhesives and polymers manufacturing facility in central Illinois. The project included in situ stabilization of 165,000 cubic yards of process waste/sediment contained within three wastewater lagoons, totaling nearly 10 acres in size. This work also included demolition of former dewatering structures, removal/abandonment of former site utilities, and grading and capping of the stabilized lagoons. Additionally, one lagoon was emptied and combined with two adjacent lagoons, including the removal and off-site disposal of the former lagoon liner material and residual sediments.

CONTACT INFORMATION

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EDUCATION

BS, Environmental Science,
SUNY Oneonta

PROFESSIONAL TRAININGS

OSHA 40 hour HAZWOPER
Training
OSHA 30-Hour Construction
Supervisor Training

- **Manufacturing Facility, New Hampshire.** Project Principal for design and bidding of a wastewater lagoon renovation/relining project. The work included the initial sampling and analysis of wastewater residuals, preparation of a residuals management plan, management of the design team preparing the lagoon liner design, and specifications and preparation of documents for contractor bidding process and selection. Additional efforts included waste disposal coordination for stabilized wastewater residuals and regulatory support.
 - **Smelting Facility, Staten Island, New York.** Remedial Construction Manager/Owners Representative for a soil excavation and sediment dredging and stabilization project at a former metal smelting plant in Staten Island, New York. The project included excavation of petroleum impacted soils and dredging of river and estuary sediments impacted with hazardous concentrations of heavy metals and PCBs, wastewater treatment and permitted discharge, ex-situ sediment stabilization, site sewer system cleaning and abandonment and construction of a vegetated geosynthetic clay site cap across the 20-acre site. The work also included regulatory negotiation and reporting to NYSDEC, NYSDOH, and NYCDEP, community interaction and development and implementation of additional remedial strategies to address additional impacts unearthed during remediation of the Site.
 - **Rail Yard Building Demolition, Queens, New York.** Construction Manager for a building demolition project at an active railyard facility in Queens, New York. The project included preparing demolition specifications, contractor management, collection of waste characterization soil and water samples, air monitoring, removal and disposal of impacted soil, asbestos containing material, demolition debris, and preparations of a summary report.
 - **Dye Production Facility, Rensselaer, New York.** Construction Manager for a remediation project across an 80-acre former chemical manufacturing facility in Rensselaer, NY. The work included investigation of process waste lagoons, investigation of a former industrial landfill and various other phases of remedial investigation and site characterization. The remedial work included construction of a perimeter groundwater collection system, shoring and excavation, and disposal of over 25,000 cubic yards of hazardous and non-hazardous contaminated soil and buried industrial wastes. This Site had extensive soil and groundwater impacts including metals and VOCs.
 - **Steel Fabrication Facility, Buffalo, New York.** Construction Manager of remedial excavation and UST removal at an active steel fabrication facility in Buffalo, New York. Remediation work was conducted to address solvent, petroleum and PCB impacted soils. Activities included management of remedial excavation activities and disposal of hazardous waste and non-hazardous contaminated soils, as well as collection of confirmatory samples and managing site restoration.
 - **Aircraft Parts Manufacturing Site, Bantam, Connecticut.** Construction Manager and Owner's Representative for the remediation of a former aircraft parts manufacturing facility. Work included investigation and remediation of metals impacted soil, petroleum tank removal and disposal, demolition and removal of former structures, installation of sheet piling along the adjacent river for excavation support, riverbank excavation and restoration and general site restoration.
 - **Former Manufacturing Facility, Fairport, New York.** Project Manager for remedial design and implementation at a NYSDEC Superfund Site near Rochester, NY. The work included preparation of a Feasibility Study and Remedial Action Work Plan and performance of a Pre-Design investigation to remediate VOC impacts to soil, groundwater and soil vapor at the Site. The work also included preparing an interim remedial design to address grossly impacted soils in the primary VOC source area through excavation and off-site disposal. All remedial efforts were performed as turnkey services including design, bidding, contracting, regulatory interaction, coordination with third party site owners and occupants and local permitting. Additional remedial design and groundwater chemical treatment studies have also been completed at the Site.
 - **Superfund Site, Delaware.** Field Team Leader during multiple mobilizations over a period of nearly 10 years for the monitoring and sampling of groundwater at an active plastic manufacturing facility and adjacent USEPA Superfund Site consisting of stabilized and capped sludge lagoons. Work included groundwater sampling, inspection of groundwater treatment system equipment, decommissioning of monitoring wells, production wells and groundwater extraction equipment.
- Petroleum Site Remediation and Brownfields Redevelopment**
- **Former Gasoline Station Remediation Project, Near Saratoga Springs, New York.** Project Manager and on-site construction manager for the remediation of a former gasoline service station in Greenwich, New York. The work included extensive excavation of gasoline impacted soils to depths more than 20 feet below grade across the Site and UST removal. The work also included in situ groundwater treatment to address residual VOCs in groundwater. A complex excavation support system was utilized to complete the work. We also negotiated with the NYSDEC to limit the extent of excavation along the adjacent riverbank to avoid the potential impacts to the adjacent property and environmentally sensitive areas.
 - **Former Taxi Garage, Manhattan, New York.** Project Manager of a soil remediation and UST removal project in NYC. The work included initial subsurface investigation, remedial design,

negotiations with NYSDEC, bid support and construction management. Seven former gasoline USTs were removed as part of the remediation. Work resulted in the closure of a NYSDEC Spill Case that had been open for over 25 years without delay to the Owner's schedule for redevelopment of the property.

- Former Auto Dealership and Gasoline Station Redevelopment, Queens, New York.** Project Manager for remedial investigation and remedial action at a NYSDEC BCP Site in Queens, New York. The remedial action included in situ groundwater treatment via chemical oxidation, excavation, and removal of 26 gasoline, fuel oil and waste oil USTs, free-product recovery, excavation of soils to depths up to 40 feet below grade, management and disposal of hazardous and non-hazardous wastes and collection of over 200 waste characterization and end-point soil samples.
- Auto Garage and Fueling Station Site, Bronx, New York.** Project Manager of the investigation and remediation for a NYSDEC Brownfield Cleanup Program Site in Bronx, New York. The investigation work included soil boring and sampling, monitoring well construction and groundwater sampling, bedrock elevation profiling, and soil vapor sampling. The remedial action included soil excavation to bedrock across the Site, UST removal and in situ chemical treatment of groundwater. The Site remediation was completed on time and on budget and received an expedited closure by NYSDEC.
- Former Petroleum Terminal Site, Island Park, New York.** Remediation Project Manager for a 12-acre former oil terminal in preparation for the transfer and redevelopment of the Site. The Site was enrolled in the NYS Brownfields Cleanup Program (BCP) and required extensive soil excavation and backfilling, as well as construction of a new bulkhead, a site cap with a demarcation layer and demolition of the existing buildings, tank pads, foundations, and subsurface structures. The project had an extremely aggressive schedule that required work to be performed up to seven days per week. The work was completed on schedule, as required to receive the benefits of the BCP.
- West Chelsea Brownfield Site Redevelopment (Multiple Projects), Manhattan, New York.** Project Manager of numerous remedial excavation/foundation construction projects at former manufactured gas plant (MGP) sites in New York City. These projects consisted of site investigation, remedial work plan preparation, excavation and disposal of petroleum and MGP impacted soil, removal of USTs, installation of subsurface site perimeter containment walls, installation and inspection of foundation waterproofing and vapor barriers, preparation of site-specific work plans and remedial action completion reports and oversight of foundation construction activities. Work on these projects also included assistance and support during foundation contracting and negotiations with NYSDEC, NYSDOH, NYCOER and NYCDEP, as well as adjacent property owners.
- Pacific Park Redevelopment, Brooklyn, New York.** On-site environmental monitor project manager responsible for monitoring and enforcing noise, dust and emissions requirements for a high-profile, neighborhood-wide redevelopment project. Work included training of project supervisors and construction managers on a quarterly basis, documenting and tracking non-compliances, managing community input, concerns and complaints and interfacing with NYSED, who oversees the project.
- NYC DDC Site Preparation, Bronx, New York.** Project manager for a design/build effort at a former New York City hospital facility. The Site was over four acres in size and contained nearly 100,000 cubic yards of contaminated soil and debris. Managed the investigation and supported the design of the site remediation, including preparation of plans, specifications, and submittals. Provided oversight and management throughout the year-long site excavation project in preparation for redevelopment of the Site.
- Public Housing Renovation, Brooklyn, New York.** Project Manager for site investigation, compliance, and support of property management transfer to a private developer partnership. Work at the Site included completing an investigation of soil, soil vapor and groundwater conditions over the approximately 50-acre property spanning several City blocks and comprised of two separate public housing projects. Site investigation activities were completed both within and outside of more than 20 multistory residential buildings at the Site. Due to the pending change in site management, the investigation was required to be completed under an extremely aggressive timeline, requiring extended work hours, weekend work and expedited laboratory turnaround times to meet the client-imposed deadlines. The work was completed ahead of schedule and on budget, despite the unexpected abbreviation of the project timeline.
- West 21st Street Redevelopment Site, Manhattan, New York.** Project Manager for the remediation and foundation construction at a NYC Voluntary Cleanup Program Site in New York City. Project included the excavation of impacted soil to depths up to 25 feet below grade, UST removal and petroleum spill closure. The project required complex waste management strategies to dispose of hazardous and non-hazardous wastes at numerous disposal facilities. This project also required the investigation, drilling, management, and disposal of asbestos containing bedrock.
- East End Avenue Redevelopment Site, Manhattan, New York.** Project Manager for the remediation and redevelopment of a NYSDEC Spill Site where historic fuel oil releases had impacted soils at the Site. CVOC impacts to groundwater were also present at the Site, from regional groundwater

contamination. The work included site investigation, waste characterization of petroleum impacted soils, excavation oversight, air monitoring, end-point soil sampling and design of a waterproofing/vapor barrier system for the new building foundation at the Site. Additional efforts focused on inspection of the vapor barrier system during construction and oversight of the interior stormwater detention tank waterproofing and interior elevator pit waterproofing. Additional foundation construction and repair support was provided through building completion. The work at this site resulted in the closure of a NYSDEC Spill Case that had been open for over 20 Years.

- **MGP Remediation Site, Pelham Manor, New York.** Project Manager and Owners Representative during extensive Site remediation of a 20-acre former MGP and current shopping center in Pelham Manor, NY. The remediation work included over 200,000 cubic yards of soil excavation, slurry wall construction and watertight sheet piling installation, SSDS installation, installation of NAPL recovery wells and a groundwater pump and treat system, as well as drainage system installation, site restoration and reconstruction of parking fields, landscaped areas, sidewalks, building slabs and site utilities. Following site remediation, a nearly decade-long effort to re-tenant the shopping center was undertaken. These efforts included coordinating with the NYSDEC for installation of new utilities, structures and facilities relating to tenant operations, as well as coordinating tenant construction with the various engineering controls installed at the Site.
- **Retail Market and Entertainment Complex, Manhattan, New York.** Project Manager of a product recovery and UST removal project in NYC. The Site is an active mall and office building spanning an entire city block and contains numerous retail, restaurant, entertainment, film production and commercial office tenants. The work included operation and eventual decommissioning of a free-product recovery system, investigation of four 20,000 gallon, built-in-place USTs, regulatory coordination, and coordination of structural, civil, and remedial designs to bid and remove the USTs.

New Building and Utility Construction Management

- **New Building Construction, Brooklyn, New York.** Construction Manager and Owners Representative for a petroleum remediation site where the extensive remedial scope

required the construction of a two-story mixed-use (industrial/commercial) building to house remediation system equipment and provide primary, long-term office space for our client and our staff. The work included building foundation construction, masonry, steel framing and finishes, interior, and underground plumbing, electrical and telecom, HVAC, landscaping, pavement, site stormwater system, solar power system, and installation of large, custom-built groundwater and soil vapor treatment system equipment.

- **Existing Building Expansion, Brooklyn, New York.** Construction Manager/Owners Representative for the expansion of a two-story industrial building used for wastewater and groundwater treatment. The project included deep foundation construction, structural steel framing, structural concrete, prefab building assembly, interior office construction, water treatment system construction, utilities, HVAC, and coordination of existing operational groundwater treatment system equipment with the new construction activities.
- **Underground Utility Construction, Brooklyn, New York.** Construction Manager of an underground utility construction project for the expansion of a large groundwater treatment and product recovery system. The project included excavation and installation of over 4000 linear feet of water main, vacuum piping, product pipeline and control conduits within NYC streets. The work required the support and protection of numerous existing public and private underground utilities, maintenance and protection of traffic, excavation, sheeting and shoring and roadway restoration.
- **NYCDEP Sewer Construction, Brooklyn, New York.** Construction Manager for the expansion of sanitary and storm sewer systems consisting of 42" and 54" RCP pipe and 10" DIP Pipe. Work included construction of approximately 800 linear feet of RCP storm sewer, approximately 350 feet of DIP sanitary sewer and replacement of approximately 220 feet of 20" cast iron water main requiring excavation to more than 20 feet below grade through NYC Streets, installation of sheet piling and beam and lagging excavation support systems, protection and seismic monitoring of adjacent petroleum pipelines and roadway restoration.