APPENDIX Z

RESUMES OF PROJECT STAFF (CD)

JAMIE P. BARR
Assistant Project Manager

Environmental Engineer
Environmental Science
Remedial Investigations
Environmental Site Assessments
Geotechnical Engineering

EDUCATION

University of New Brunswick, New Brunswick, Canada
B.S. Geological Engineering

PROFESSIONAL REGISTRATIONS

OSHA 29 CFR 1910.120 Certification for Hazardous Waste Operations and Emergency Response
Registered Professional Engineer in the Canadian Province on New Brunswick

YEARS OF EXPERIENCE: 8

SUMMARY QUALIFICATIONS

Mr. Barr is a Geological Engineer whose experience involves site remediation (soil and groundwater), field and office management of remedial investigation/action programs (Phase I's, Phase II's, and Tank Closures), preparation of environmental reports, management of Langan staff, soil boring and sampling for both environmental and geotechnical purposes, health and safety monitoring, and AutoCad drafting/design. Mr. Barr has experience dealing with regulatory agencies such as USEPA, NYSDEC, NYSDOH, NYCDEP, NJDEP, and CTDEP. Mr. Barr has experience with projects in the Brownfield Cleanup Programs for both NYSDEC and NJDEP, as well as the USEPA Superfund Program. He played a critical role in achieving one of the first NYSDEC Brownfield Clean-up Program Certificates of Completion for a project in Queens, NY. He has extensive experience in soil and groundwater remediation, design of sub-slab vapor mitigation and air sparge/soil vapor extraction systems, Phase II Site Assessments, UST Closures, remedial excavation oversight, landfill design and construction oversight, capping system design, and excavation and off-site treatment and/or disposal of contaminated soils.

RELEVANT EXPERIENCE

Atlas Park, Glendale, NY – served as the Assistant Project Manager and Site Remediation Engineer for the implementation of a large scale Remedial Action conducted as part of the NY State Brownfield Clean-Up Program. A parcel of this project received one of the first Brownfield Cleanup Program Certificates of Completion in the state of New York. Duties included but were not limited to the following: construction management, onsite coordination of remediation activities, scheduling of sub-contractors and the Langan field team, report preparation, supervision of onsite Langan personnel, addressing questions and concerns of the client. Responsible for adhering closely to the approved Work Plan and ensuring that Remediation activities were completed accordingly. Remedial activities included: investigation and closure of eight USTs and numerous reported spills, mass excavation and disposal of impacted soils, geoprobe investigations, and soil vapor sampling for the purpose of sub-slab depressurization system design. Upon completion of remediation activities, a Final Engineering Report was generated which summarized all of the remedial work completed over a nine month period. Project is ongoing.

40 Bond Street, New York, NY – served as the Assistant Project Manager for the remedial excavation of soils to accommodate building construction, and closure of a NYSDEC Spill case. Duties included but were not limited to the following: report preparation, supervision of Langan personnel, contractor oversight, and addressing questions and concerns from the client and sub-contractors. Responsible for adhering closely to the NYCDEP approved Work Plan and ensuring that remediation activities were completed accordingly.

The Promenade, Edgewater, NJ – served as design engineer, construction manager for the design, construction, and closure of a three acre soil capping system for the Promenade residential development in Edgewater, NJ. Involved in weekly construction meetings, scheduling, sub-contractor hiring, invoicing, cost control, field design modifications, and daily interaction with numerous contractors and sub-contractors. He was also responsible for the completion of a Remedial Action Closure report upon project end. Site was unique in that it was partially under jurisdiction of EPA Superfund and partially under NJDEP Brownfield Clean-up Program. He was involved regularly with both agencies, working through modifications to workplans and design.

Bronx Criminal Court Complex, Bronx, NY – involved in UST removal and closure of 20+ tanks within the foot print of a proposed building location. Work included health and safety monitoring, soil sampling, and well gauging. Provided field support for two months.

Exxon/Mobil Bayway Refinery – involved in the design of remedial systems for various portions of the refinery. Also conducted subsurface investigations for the purpose of identifying impacts to soils and groundwater in order to design the appropriate remedial system for the area.

John Jay College Expansion, Manhattan, NY – served as field team leader, health and safety officer, and assistant project manager for a large MPG related environmental/geotechnical Phase II site investigation at the parking facility attached to John Jay College. Duties include but are not limited to the following: scheduling drillers, laboratory, and geophysical contractors; approving invoices; supervising a team of three Langan employees and four drillers; supervising monitoring well installation; occasionally providing inspection oversight on a drill rig; dealing directly with client on a day to day basis; fielding questions and comments from client and other consultants involved in the project; responsible for making sure the workplan is closely adhered to; responsible for summarizing all lab data; responsible for ensuring progress of drilling and helping Langan inspectors when needed. Proceeded to write the Site Characterization report upon completion of the field investigation work.

Atlas Terminals, Glendale, NY – served as field team leader and assisted in day to day management of a large Interim Remedial Investigation at the Atlas Terminals site in Glendale, NY. Duties included staffing field activities, scheduling drillers, scheduling utility clearance contractor, completing soil and groundwater sampling program, monitoring well installation, invoicing, preparing AutoCad design drawings, and working with assistant project manager to complete the Site Investigation Report for submission to the state.

Brookhaven National Laboratories, Long Island, NY – wrote work plan for the evaluation of a small scale contaminated groundwater plume interception well system. Consisted of six production wells in series to capture contaminated plume and 15 monitoring wells to monitor drawdown in the surrounding area. Completed the field investigation, involving continuous well gauging using a data logger, and control of production wells. Collected all data and submitted a report to the project manager and client.

Groundwater Remediation using ISCO, US NAVY, Brunswick, Me – wrote workplan for the first round of in-situ chemical oxidation (ISCO) injections at an operational gasoline station on a Navy base in Brunswick, Maine. Completed Engineer oversight of the ISCO injections and monitored the events performance. Submitted daily progress reports, and completed report of field findings for project managers and the client. Project duration = two months

Greenville Landfill, Greenville, NY – completed the permitting, design, construction oversite, and construction management for the closure of an eight acre municipal landfill. Used HDPE textured geotextile as the impermeable barrier for closure. Completed daily progress reports, invoices, and attended numerous meetings with client, lawyers, and lead engineer. In charge of up to 10 construction workers and one field engineer. Responsible for documentation of all in field design changes. Reported directly to the VP of Engineering. Project duration = six months.

Berlex Laboratories, Inc, Cedar Knolls, NJ - served as design engineer and assistant project manager for a 4 acre soil remediation project. Conducted a follow-up soil investigation with a geoprobe drill rig. Modified capping system design based on results of investigative work. Wrote workplans for the remedial investigation and remedial measure/design. Wrote bid specs for contractors and played an active role in selecting contractors for site work. Completed topographic survey of the site for design purposes.

Irving Oil Limited, Saint John, New Brunswick, Canada;
Irving Pulp and Paper Company, Saint John, New Brunswick, Canada;
Fraser Paper Mill, Edmundston, New Brunswick, Canada;
Brunswick Mines, Dalhousie, New Brunswick, Canada – Involved in bioassay laboratory testing of oil refinery, pulp mill, and mine effluents from large facilities in New Brunswick, Canada. Interacted with clients on a daily basis and completed lab result reports for submission. Managed the day to day operation of two environmental laboratories at various times throughout the five years of the projects. Completed numerous bioassay testing with trout fry and daphnia magna, monitoring mortality, growth, behavior, etc. when exposed to the various effluents.

Camiro Mining Group, Timmins, Ontario, Canada – Involved in a small scale pilot investigation for a conglomerate of mining companies in northern Ontario, Canada. Installed 40+ drive-point peizometers to bedrock over a 6 acre area. Involved in the day to day operations of field work and environmental sampling. Also attended numerous project meetings with management to present data and opinions on the work.

Trans Canada Highway Extension, New Brunswick, Canada – involved in a fish habitat study for numerous streams in the path of a highway extension project. Descriptions of fish type, plant life, insect population, etc. Evaluated stream culverts and the ability of fish to pass through.

Foxwood Estates, Chicago, IL – involved in the site design of a 100+ lot subdivision in a western Chicago suburb. Completed full evaluation of storm water runoff for the entire site, using TR-50 and TR-20 software. Designed storm and sanitary sewer systems, as well as drinking water supply systems for all proposed lots within the subdivision. Attended numerous client and regulatory agency meetings.

US NAVY, Trenton, NJ – involved in a large groundwater sampling program with a team of 12 Engineers. Low flow sampling methods conducted with peristaltic pumps. Program also included diffusion bag sampling.

Middletown Psychiatric Center Landfill, Middletown, NY – involved in the closure of a two acre coal ash landfill located on the Middletown Psych Center property. Provided engineer oversite and health and safety for three months of the project. Attended numerous meetings with client (DASNY), contractors, NYSDOH, and other engineers involved in the project. Completed daily progress reports for submission to the project manager.

Greater Automobile Association of New York, Whitestone, NY – involved in the inspection and monitoring of surcharge placement in preparation for building construction. Surveyed settling plates for settlement over a two week period. Played a small role in inspection of pile driving and pile load testing.

JOHN M. GAVRAS, PG, CPG
Project Manager/Senior Hydrogeologist

Site Characterization/Remediation
Environmental Due Diligence
RI/RAA Investigations
Brownfield Cleanup Program

EDUCATION

M.S., Earth Sciences (Hydrogeology), Adelphi University

B.S., Geology, State University of New York, College at Oneonta

PROFESSIONAL CERTIFICATION

Certificate in Project Management, Penn State Management Development Programs and Services

Certified Professional Geologist, CPG-07908, American Institute of Professional Geologists

Professional Geologist, PG-002070-G, Commonwealth of Pennsylvania

YEARS OF EXPERIENCE: 21

SUMMARY OF QUALIFICATIONS

Mr. Gavras has over twenty-one years of comprehensive professional consulting experience including diverse project experience in geologic and hydrogeologic analyses and interpretation. Develops and manages environmental assessment programs to determine the nature and extent of corrective action at industrial and municipal sites characterized by hazardous wastes and hazardous materials in structures, soil, groundwater, and surface water. Evaluates the compliance status of aboveground and underground tanks and systems. Manages RCRA, CERCLA, Brownfield Cleanup Programs and other state-mandated investigations at sites that generate, treat, store, or dispose of hazardous materials. Develops and manages risk-based corrective action programs at closed or abandoned industrial and hazardous waste sites, including those on federal and state priority lists. Manages risk assessments, remedial action plans, and feasibility and corrective measures studies. Manages pre-purchase and presale due diligence environmental assessments of industrial and commercial properties to assess site conditions and environmental risk.

RELEVANT EXPERIENCE

Medgar Evers College, Brooklyn, NY - The expansion of Medgar Evers College will involve the razing of a NYC Department of Sanitation (NYCDOS) Facility located in Brooklyn, New York where impacted soil from historical petroleum releases (i.e., gasoline and diesel) are present and petroleum-related compounds migrated downwards from the source areas (e.g., tanks, piping, and dispensers) and in some areas adversely affected perched ground-water quality. In support of a Draft Generic Environmental Impact Statement (DGEIS), for DASNY, managed a Phase I Environmental Site Assessment (ESA) of this facility. Based on the findings of the Phase I ESA, recommended the following scope of work for Phase II investigation activities at the site: obtain, review and evaluate existing background information, develop a site-specific Work Plan for characterization of soil and groundwater from a pre-construction standpoint, and provide environmental oversight during construction activities. Developed order-of-magnitude costs for potential remedial activities that may be associated with the discharge of petroleum at the site.

The Shops at Atlas Park, Glendale, Queens, NY, AtCo Properties, Inc. - Project Manager for a 12-acre, 80-year old former industrial park being redeveloped under the NYS BCP for mixed-use commercial, office space and entertainment. Primary responsibilities include managing a number of submittals to the NYSDEC including a Remedial Action Work Plan and Final Engineering Report in connection with obtaining a certificate of completion for the project, the first such certificate to be issued in the State under the BCP.

Managed the investigative and remedial activities and coordinated with the NYSDEC. As part of the remediation activities, numerous areas of concern were discovered and mitigated during mass excavation of historic fill from the property for new sub-grade structures (buildings and parking garages) proposed for The Shops at Atlas Park. As part of the remedy, sub-slab vapor-depressurization systems (SSDSs) were designed and installed to address soil vapors in the sub-slabs of the proposed buildings. The SSDSs were designed and installed in accordance with the New York State Department of Health's draft soil-vapor intrusion guidance document.

Environmental Due Diligence/ Phase I and Phase II Site Assessments for Confidential Developer - Project Manager for expedited due diligence review and environmental site assessment of a number of prospective sites located in Fairfield County, Connecticut. The client is in the process of purchasing the property for construction of a new corporate headquarters for a major financial institution that will contain office, trading space, and parking. Areas of Environmental Concern (AOCs) include to prior gasoline filling stations, metal plating operations and an automobile repair shop. Managed the review of nearly 100 prior environmental reports and other documents, and performed expedited comprehensive Phase II Site Investigation activities to evaluate the AOCs at the various parcels. The Phase II data are being utilized to develop order-of-magnitude costs to determine the client's environmental liabilities to acquire and redevelop the properties.

Remedial Investigation and Remedial Alternatives Analysis, City of Yonkers Jail Site, Yonkers Industrial Development Agency (YIDA), Yonkers, New York - Project Manager for a Remedial Investigation and Remedial Alternatives Analysis at the City of Yonkers Jail site in Yonkers, New York. The work is being conducted under a grant that was awarded to YIDA under the Environmental Protection Agency's (EPA's) Brownfield Assessment Program Cooperative Agreement. As part of the scope, Langan prepared a comprehensive Remedial Investigation Work Plan (RIWP) to delineate the extent and magnitude of soil and/or groundwater impacts on the site and potential asbestos containing materials (ACM) and lead-based paint (LBP) in the building in order to establish a basis for remedial alternatives and final remedy selection for the future development of the site.

Professional Hydrogeologic and Engineering Services, Rockville Centre, NY - Project Manager responsible for providing technical support and assistance to the Village of Rockville Centre and advising them throughout remedial investigation/feasibility study (RI/FS), remedial design (RD), and remedial action (RA) tasks for the Franklin Cleaners site, a New York State inactive hazardous waste site. A volatile organic groundwater plume, composed primarily of tetrachloroethene (PCE), has been identified, documented, and found to be migrating south from the Franklin Cleaners site and potentially threatening the Village's public supply wells and residential irrigation wells located downgradient of the plume. Communicated extensively with the New York State Department of Environmental Conservation (NYSDEC) to express the Village's concerns regarding the delineation, configuration, and potential further migration of the PCE groundwater plume. Successfully influenced the NYSDEC to install monitoring wells above and below the clay layer and ahead of the leading edge of the plume to act as early detection wells.

Groundwater Monitoring Services, Oyster Bay, NY, Town of Oyster Bay - Senior Hydrogeologist involved in the groundwater-monitoring program for the Town of Oyster Bay. Groundwater monitoring is conducted to assess the effectiveness of the remediation system at Old Bethpage Landfill, which is located in Oyster Bay. A volatile organic compound (VOC) plume that originated at the landfill was migrated off site 0.5 miles downgradient of the source. The contaminated groundwater is being recovered by five high-capacity extraction wells, treated on site, and discharged to an upgradient recharge basin. The remedial system has been operating since April 1992. The remedial system's zone of influence and groundwater quality was monitored on a quarterly basis to assess the progress of the groundwater cleanup and to determine whether the termination criteria for remediation have been met. Conducted a comprehensive well inventory and assessment, and managed the rehabilitation and redevelopment of wells, and coordinated the retrofitting and proper placement of dedicated submersible pumps.

Site Investigation/Hazard Ranking of a Class 2a Site, Hicksville, NY, GTE Services Corp. - Senior Project Manager responsible for supervising Phase I and Phase II site investigations and Hazard Ranking System II scoring to assess chlorinated solvent contamination in soils and groundwater. Key components of the project included drum removal, soil remediation, a comprehensive soil gas survey, extensive groundwater monitoring and assessment, and the generation of supporting data for reclassifying the site as a Class 4 site.

Hydrogeologic Investigation, Municipal Clean Fill Landfill, Islip Resource Recovery Agency, Hauppauge, NY - Senior Project Manager for a hydrogeologic investigation at a Phase II clean fill lateral expansion landfill. The hydrogeologic investigation included the installation of 15 multilevel monitoring wells. Two phases of groundwater sampling were conducted to establish baseline groundwater-quality data. In addition, the project involved conducting three-dimensional groundwater flow modeling and particle tracking to ascertain the ability to monitor the well network for the proposed lateral expansion both during site operations and after closure.

Site Assessment of a Former Color Concentrate Manufacturing Facility and Class 2a Site, Farmingdale, NY - Confidential Potentially Responsible Party (PRP) Group. Senior Project Manager responsible for a preliminary site assessment at a former color concentrate manufacturing facility and Class 2a site for a PRP group. Evaluated the occurrence of metals contamination in soils throughout the site, within dry wells, and in former recharge basins through a comprehensive soil and groundwater-sampling program.

Management Programs/Closures of UST Sites, Various Locations, NY, Various Clients - Senior Project Manager responsible for implementing UST management programs and tank closures involving the delineation and excavation of contaminated soils at UST sites throughout New York pursuant to the New York State Department of Environmental Conservation's (NYSDEC's) Spill Technology and Remediation Series (STARS) Conducted direct negotiations with NYSDEC and local health departments.

PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists
New York State Council of Professional Geologists
Association of Ground Water Scientists and Engineers, National Ground Water Association

JOEL B. LANDES, P.E.
Senior Associate

Brownfields Cleanup and Development
Due Diligence
Environmental Engineering
Regulatory Compliance

EDUCATION Polytechnic Institute of Brooklyn: B.S. Chemical Engineering

The Cooper Union, New York: M.E. Environmental Planning and Management

Union College, New York: Graduate studies in Business Management

REGISTRATIONS: Professional Engineer – New York – New Jersey

SUMMARY OF QUALIFICATIONS

Mr. Landes has twenty-eight years environmental consulting, project engineering and management experience. Expertise includes Brownfield development, environmental remediation, risk management and due diligence (throughout the United States and Internationally), Phase I and Phase II environmental assessments, power plant site selection and permitting evaluation, remedial investigations, feasibility studies and soil and groundwater remediation for transportation-related, industrial and manufacturing facilities. Mr. Landes has managed the development of commercial and residential properties on Brownfield sites throughout the Metropolitan area, including former manufactured gas plant (MGP) sites.

RELEVANT EXPERIENCE

Gateway Center At Bronx Terminal Market, Bronx, New York – Retained by Related Companies to conduct environmental due diligence on the 32 acre Bronx Terminal Market. The property consisted of the Bronx Men's House of Detention, a 6-story refrigerated warehouse, a powerhouse and various market buildings. We prepared a Phase I and Phase II Environmental Site Assessment and based on the findings, recommended that the client apply for the NYS Brownfield Cleanup Program. The application was prepared and accepted. We then developed and implemented a Public Participation Plan and a Remedial Investigation Work Plan for the property. We also participated as part of the consulting team in preparation of the draft environmental impact statement for the project.

Subsequent to submittal and approval of our Remedial Investigation Report, we prepared a Remedial Action Work Plan and specifications for remediation. The specifications were coordinated with those being prepared for site/civil and geotechnical work. Approval of the RAWP was negotiated with NYSDEC and approved for construction. We will be the remedial engineer responsible for the conduct of the remedial work and preparation of the Final Engineering Report.

Ink Manufacturing Facility, New York – Retained by the buyer of this facility who planned to demolish and redevelop into a multi-story residential building. Intrusive investigations were conducted to evaluate environmental conditions, develop conceptual remediation plans and to prepare remediation budgets for this property. Initial findings indicated a petroleum release from the facility's underground fuel oil storage tank, and the presence of free-phase petroleum product underlying the site. In addition, the building was constructed on contaminated fill. A remedial action plan was developed to quickly remove the source, prevent further migration and remove the free-phase product, and to remove and reverse the flow of contaminated soil gases and product that had migrated beyond the property line. In addition, plans and budgets were provided for demolition of the building, asbestos abatement, and remediation of the residual petroleum contamination and fill under the building, so that the future building could be constructed in a clean environment with no requirement for engineered barriers. We are currently engaged in oversight of the implementation of the initial remedial action plan.

Silverstein Properties, New York – Provided environmental services to assist in the redevelopment of the 7 World Trade Center site destroyed in the 9/11 attacks.

1. Prepared Environmental Assessment Forms as required under the New York SEQRA for the development project.
2. Evaluated previous investigations and developed and implemented a soil and groundwater management plan, approved by NYSDEC, for the excavation of approximately 25,000 cubic yards of soil and demolition of subsurface building features to allow for the construction of a new building foundation.
3. Planned, provided oversight and prepared a closure report (received NYSDEC NFA letter) for the removal of two vaulted 11,500-gallon fuel oil USTs.
4. Provided oversight for the excavation and removal of two 6,500-gallon fuel oil USTs that were damaged and spilled during the 9/11 attacks.

Silverstein Properties, New York – Program Manager for the preparation of specification for management of contaminated soil at the site of a proposed high-rise residential building in midtown New York City. Investigation of subsurface soil and groundwater indicated that the site was a former manufactured gas plant (MGP) site from the mid- 1800's to the early 1900's. The remediation of the site is now the responsibility of Con Edison under the NYS Voluntary Cleanup Program and we are charged with oversight for the property owner. Our responsibilities include assisting the client's decision to enter into an agreement with Con Edison to take over the cleanup responsibility through the new Brownfield Cleanup Program. To this end we have prepared schedules and cost estimates that integrate the cleanup with the development of the proposed high-rise. We have also assisted Con Edison in their development of a Remedial Action Work Plan for the site by preparing the soil and groundwater management plan, which includes provisions for handling, characterization and disposal of soil and groundwater that would be disturbed during construction, and to protect the health of construction workers and future occupants from potential exposure to contaminants during and after construction**.** As the Remedial Engineer, we prepared the remediation specifications, oversaw the bid process and implementation of the RAWP, and prepared the Final Engineering Report.

The Dermot Company, New York – Provided environmental services to assist in the removal and disposal of approximately 600 cubic yards of petroleum contaminated soil and 80 cubic yards of hazardous waste, along with 3000 cubic yards of clean fill and rock and fifteen underground gasoline and fuel oil storage tanks. The USTs and contaminated soil were discovered after the beginning the excavation for the foundation of a proposed 17 story residential building. The remedial work was performed around the construction work and with NYSDEC oversight. Close interaction with NYSDEC and NYFD officials was required to expedite the removal of the tanks and contaminated soil while construction was allowed to proceed. A closure report was prepared and a NFA letter was issued by NYSDEC.

City of Yonkers, New York - Retained by the General Counsel to assess the risk of acquisition and to provide an expert report regarding the techniques and associated cost of an attempt to remediate the City of Yonkers vehicle service facility. NYSDEC Region III had assumed control and responsibility for cleanup of spills from underground fuel oil and gasoline storage tanks. Over a period of 10 years, contractors working for NYSDEC installed and sampled numerous monitoring wells, a groundwater interception trench and a groundwater treatment system. The remediation systems were found to be ineffective and allowed the plume to bypass the trench. Re-evaluation of site conditions and consideration of selected contaminated soil removal coupled with biological treatment was recommended and is currently in the process of implementation.

P.S. 192, New York, New York – Conducted a remedial investigation to determine the extent of contamination that leaked from 2, 10,000-gallon fuel oil storage tanks. We prepared a conceptual design for remediation that included the use of innovative technology, high vacuum extraction to remove free product. The conceptual design was reviewed and accepted by the NYC School Construction Authority and the NYSDEC. We then prepared detailed design for construction, including complete plans and specifications to for UST removal, contaminated soil and groundwater handling and disposal, and installation of the remediation system.

Schmid Labs, Little Falls, New Jersey – ISRA/ECRA cleanup of a medical product manufacturing facility. Prepared detailed plans and specifications and managed the investigation and remediation of 1.5 acres of petroleum naphtha NAPL, and groundwater contamination. We successfully expedited the cleanup to NJDEP approval in a period of 9 months. The expedited remedial action included demolition of two former manufacturing buildings overlying the LNAPL, selective excavation and recycle of LNAPL-containing soils. NJDEP approved recommendation to allow groundwater to naturally attenuate, saving the client several million dollars.

Indiana General, Keasbey, New Jersey – ECRA/ISRA cleanup of a ferrite products manufacturing facility. Prepared detailed plans and specifications and managed the remediation of fuel oil, gasoline and metal contamination in hazardous waste storage areas, surface impoundments and underground storage tanks. Obtained NJDEP approval to use the surface impoundment contents, metallic oxides, in a soil cement matrix as a roadway subbase for site redevelopment.

Filling Station, Cumberland, RI - Retained by McGovern, Connelly & Davidson to review the remedial activities a filling station and to provide an expert report regarding justification for removing over 5,000 cubic yards of soil and the most likely source of contamination. Several issues were uncovered including no documented technical justification or regulatory requirement for removing the soil, and no attempt to segregate contaminated from non-contaminated soil or to explore alternatives to removal.

Confidential Industrial Client, Boundbrook, New Jersey – Environmental risk management included review and evaluation of a remedial action plan to address soil and groundwater contamination for a state hazardous waste site, a portion of which the client's manufacturing plant was located. Findings indicated that the client's employees would be subjected to physical hazards from remediation equipment, health concerns due to air toxics generated by remediation activities and general severe disturbance to operations. Assisting the client in negotiating the buy out of his facility by the responsible party.

FSM Partners, New York, New York – Participated in a team of other consultants, attorneys and insurance brokers to evaluate potential costs to remediate four Con Edison properties, one an operating steam and electric generating station covering 6 acres. Due to the limited data available and the expected long-term schedule in which the station would have to shut down and be demolished prior to any remedial action, a Monte Carlo simulation was developed to assess all probabilities for potential remedial action scenarios. Findings indicated that the lump sum bid by the remedial contractor was inadequate to cover most probable scenarios but the additional coverage provided by an insurance carrier made up for the inadequacy.

PROFESSIONAL AFFILIATIONS:

Business Council of New York State
Environmental Business Association
National Brownfield Association – NYS Chapter

VERONICA M. TIGLAO
Senior Staff Engineer

Environmental Engineer
Remedial Investigations
Environmental Site Assessments

EDUCATION University of California, Berkeley, B.S. Civil and Environmental Engineering
San Francisco State University, M.S. Civil and Environmental Engineering (In Progress)

PROFESSIONAL REGISTRATIONS

OSHA 29 CFR 1910.120 Certification (HazWOpER)
Engineer-in-Training (EIT)-California

YEARS OF EXPERIENCE: 4+

SUMMARY QUALIFICATIONS

Ms. Tiglao has over 4 years of experience working on environmental projects in California and New York. She has conducted Phase I and Phase II Environmental Site Assessments and coordinated remedial action programs at commercial, industrial, and undeveloped sites. Her field experience includes subsurface investigations, installation and sampling of groundwater monitoring wells, and monitoring well abandonment activities. Her practice includes regulatory and historical review, compliance review, evaluation of laboratory analytical data, design of sub-slab depressurization systems and soil vapor extraction systems, and preparation of reports. Ms. Tiglao also has experience in construction oversight for excavation and off-site disposal of contaminated soils and supervision and assessment of petroleum underground storage tank removals in accordance with state regulatory standards.

RELEVANT EXPERIENCE

Bronx Terminal Market, Bronx, New York – A proposed development that will consist of commercial retail space, associated parking, and improvements along the Harlem River waterfront including an esplanade and park. The 30± acre site is located in the Bronx, New York, adjacent to the Harlem River, between the Macombs Avenue Bridge and the 145th Street Bridge. Ms. Tiglao assisted in the design of sub-slab depressurization systems for several retail spaces at the site.

Atlas Terminal Park, Queens, New York – A proposed development that will consist of commercial retail space and associated parking. The approximately 12 acre site is located in Glendale, Queens, New York. Ms. Tiglao assisted in the design of sub-slab depressurization and soil vapor extraction systems for several retail spaces at the site.

West 59th Street, New York, New York – A proposed development that will consist of a 35-story mixed use building with street level retail and 198 residential apartments in the upper levels. The 1-acre site is located in Manhattan, New York. Ms. Tiglao assisted in data evaluation and the preparation and submittal of several reports, including a Community Air Monitoring Plan, Remedial Action Work Plan, and Operation, Maintenance, and Monitoring Plan for a Sub-slab Depressurization System, to local and state agencies. She also assisted in the sub-slab depressurization system design for the site.

United States Post Office, Several Facilities, California and Hawaii – Ms. Tiglao conducted contractor oversight, regulatory agency coordination, and confirmation sampling activities for several underground storage tank removals at facilities throughout California. Ms. Tiglao also prepared and submitted closure reports for these removals to local agencies throughout California and Hawaii.

Major Retailer (Confidential), Several Facilities, California and Nevada – Ms. Tiglao conducted due diligence activities, including Phase I and Phase II Environmental Site Assessments, for several proposed sites for a major national retailer. Phase II activities included indoor air, soil, soil vapor, and groundwater sampling and analysis and oversight and interpretation of asbestos and lead based paint sampling. Ms. Tiglao also participated in interpretation of natural and cultural resource reports and wetland and USACE jurisdictional waterway assessments.

AutoCAD experience - Work includes the design and editing of boring location plans, site layouts, and technical drawings for a variety of projects.

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