December 15, 2025

Daniel Nierenberg, PG
New York State Department of Environmental Conservation
Division of Environmental Remediation Bureau B
625 Broadway, Albany, NY 12233-7016

Re: Soil Vapor Intrusion Evaluation Work Plan
1101 Linwood Brooklyn, New York
NYSDEC VCP Site No. V00582

Dear Mr. Nierenberg,

LaBella Associates, D.P.C. (LaBella) has prepared this Soil Vapor Intrusion Evaluation Work Plan (SVIEWP) for the property located at 1101 Linwood Street, Brooklyn, New York (the Site) to summarize the procedures for the SVI evaluation. This work is being performed under the oversight of the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP Site No. V00582).

SITE BACKGROUND AND INTRODUCTION

This SVIEWP describes the procedures to be used during the Vapor Intrusion Evaluation (VIE), which will be performed to evaluate the effectiveness of the current active sub-slab depressurization systems (SSDS) installed at the "S&S X Ray" project Site. The Site is identified on the New York City Tax Map as Brooklyn Borough Block 4428, Lot 1. The Site is approximately 2.23 acres and is bounded by Cozine Street to the north, Essex Street to the east, Flatlands Avenue to the south, and Linwood Street to the west. The surrounding area is all non-residential industrial buildings, comprised mainly of warehouses. The Site location is shown in **Figure 1**. The Site was remediated under the NYSDEC VCP (VCP Site No. V00582).

This SVIEWP describes the procedures to be used during the VIE, which will include the collection of sub-slab soil vapor and co-located indoor air samples, and will include petroleum-related volatile organic compounds (VOCs), which are present at the site. The results of the VIE will be documented in a Report, which will evaluate Site-specific data compared to the NYSDOH Decision Matrices to determine whether further actions are necessary to address potential exposure to soil vapor intrusion into the building. All work will be completed in accordance with this VIEWP.

SITE DESCRIPTION AND HISTORY

The Site consists of a one-story concrete building that is approximately 70,000 square feet (ft^2) in total area. The Site was formerly owned and operated by Art-Lloyd Metal Products, which manufactured various metal products. Part of the manufacturing process included spray-painting metal parts. Liquid solvents were likely used in the process.

The environmental remedies conducted at the site are summarized in the Interim Remedial Measures Work Plan, dated May 20, 2003; a Remedial Action Work Plan, dated April 9, 2004; an Additional Remedial Action Work Plan, dated November 2005; and a Post Remedial Action Annual Report, dated March 8, 2007, all prepared by Shapiro Engineering. The following provides a summary of the work performed to date based on publicly available information.

Publicly available information obtained from NYSDEC Info Locator indicates that two 550-gallon underground storage tanks (USTs) leaked and released xylene and ethylbenzene (spill # 01-07758).

The volume of product that historically leaked from the USTs is unknown. In 2002, the tanks, as well as approximately 40 cubic yards (41.8 tons) of contaminated soil, were removed from the Site for proper off-site disposal. In May 2003, four groundwater extraction wells were installed as part of an interim remedial measure to pump approximately 2,150 gallons of petroleum-contaminated groundwater for disposal at an approved facility.

Publicly available information indicates that Shapiro Engineering performed a groundwater, soil, and soil gas investigation in June 2003; however, LaBella has not found a record of the results. In the winter of 2004/2005, soil was excavated to a depth of approximately 12 feet below ground surface (ft bgs), and approximately 250 cubic yards of contaminated soil were removed from the Site for proper off-site disposal. A demarcation layer was placed at the bottom of the hole, and the excavation was backfilled with clean soil. Publicly available information indicates that, in January 2006, oxygen release compound (ORC) was injected beginning at approximately 12 ft bgs. The area was later capped with concrete. Publicly available information indicates that remaining contamination exceeds applicable soil cleanup objectives. (SCOs). Three monitoring wells were installed, including two downgradient (MW-01 and MW-02) of the source area, and one (MW-03) in the source area. Available 2024 data indicates that VOCs) remain present in groundwater in the source area. See **Figure 2**.

Upon execution of the Voluntary Cleanup Agreement (VCA) in July 2007 between NYSDEC and S. & S. X-Ray, Inc., environmental remediation was completed to the satisfaction of the Department. Ethylbenzene and xylene contamination remains in soil and groundwater and is being managed under a Site Management Plan (SMP). An SSDS was installed in November 2005 to address elevated concentrations of xylene and ethylbenzene in soil vapor.

Engineering controls (ECs) and institutional controls (ICs) have been placed on the site to address remaining contamination in the soil and groundwater. The ECs consist of the operation and maintenance of the SSDS, periodic groundwater monitoring, and a demarcation barrier at the depth limit of the source excavation. ICs, in the form of a deed restriction, prohibit the use of on-site groundwater for potable purposes and excavation of soil without NYSDEC approval. The site is currently in the site management phase with operation, maintenance, monitoring, and site controls as described above.

In 2025, NYSDEC requested that an SVI Evaluation be performed to evaluate the potential for a soil vapor intrusion condition to exist in connection with the presence of petroleum hydrocarbon contamination and to document the performance of the SSDS with a pressure field extension test.

SVI INVESTIGATION ACTIVITIES

The SVI evaluation will collect sub-slab soil vapor and co-located indoor air samples early in the heating season to avoid shutting down the SSDS when soil vapor intrusion may be more pronounced. The VIE will include the collection of three sub-slab soil vapor samples and three co-located indoor air samples in the building; two sub-slab soil vapor and two co-located indoor air samples (SS/IA-01 and SS/IA-03) in the building; one sub-slab soil vapor and one co-located indoor air sample in the sub cellar (SS/IA-02) and the collection of one ambient air sample from a central exterior location. The sub-slab soil vapor points will be installed below the building's concrete foundation slab, tested for tightness, and then utilized for sampling. The SSDS will be shut down 30 days prior to (and during) soil vapor intrusion sampling and restarted immediately following the sampling collection completion. Collecting sub-slab soil vapor samples while the existing SSDS is operational has the potential to produce results that are biased low. The proposed sample locations for the building are shown in **Figure 2**. Samples will be collected during a normal business day, and unnecessary building ventilation will be avoided within 24 hours prior to sampling. All work will be implemented in accordance with the Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP), which are provided as **Appendix 1** and **Appendix 2**.

Pre-Sampling Survey

Prior to conducting the sampling, LaBella will perform a pre-sampling survey to gather information on the Site building characteristics, air flow patterns, heating, ventilation, and air conditioning (HVAC); utilities; building operations; chemical and maintenance product inventory; and other known factors that may affect indoor air quality in the building. An inspection and maintenance checklist documenting the condition of all components of the SSDS, including the slab, and photographic documentation of all the components of the SSDS, will be completed. A pressure field extension test will be completed to document whether or not the SSDS is inducing sufficient negative pressure beneath the slab at SS-01 through SS-03. A photoionization detector (PID) with a parts per billion (ppb) detection range (e.g., ppbRAE 3000 or equivalent) will be used during the survey to screen for VOCs near windows, air supply vents, stored chemicals, and other potential sources. A NYSDOH Indoor Air Quality Questionnaire and Building Inventory form will be used to document the results of the survey. The NYSDOH form is included as **Appendix 3**.

Sub-Slab Soil Vapor Sampling

Prior to sample collection at the building, the sub-slab (SS) sampling points will be purged of approximately three sample volumes using a GilAir Plus low-flow air pump. During purging, a shroud will be placed over the sampling point, and helium gas will be introduced through a small hole in the shroud to saturate the atmosphere around the sample port with helium gas. Purged vapors will be collected into a Tedlar™ bag and field-screened for organic vapors using a PID. The purged air will be monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. If the purged soil vapor contains greater than 10% helium, non-shrinking cement/grout will be used to enhance the surface seal, and the point will be retested.

Following purging and seal confirmation at each location, a soil vapor sample will be collected using the vacuum from the SUMMA® canister. Sub-slab soil vapor samples (SS-01 through SS-03) will be collected at each sub-slab location using a 6-Liter, batch-certified SUMMA® canister equipped with a vacuum gauge and flow regulator set to collect a 6-Liter sample over an 8-hour sampling period. Immediately after opening each flow control valve, the initial SUMMA® canister vacuum [inches of mercury (in. Hg)] will be noted. Conditions will be noted throughout the sampling period, including vacuum, potential sources of VOCs in the vicinity of the sampling location, and weather conditions. Once the vacuum reading on the flow controller reads between approximately -8 in. Hg and -2 in. Hg (after approximately 8 hours), the flow controller valve will be closed, the final vacuum will be noted, and the SUMMA® canister will be placed in a shipping carton for delivery to the laboratory. Sample locations are shown in Figure 2.

Indoor Air Sampling

Indoor air samples IA-01 through IA-03 in the building will be collected from locations adjacent to the sub-slab vapor sampling points, as shown in **Figure 2**. The samples will be collected concurrently with the sub-slab vapor sampling using batch-certified, 6-Liter, SUMMA® canisters equipped with vacuum gauges and flow controllers calibrated to collect the sample over an approximately 8-hour period. One quality assurance/quality control (QA/QC) duplicate sample will be collected at IA -01 in accordance with DER-10 Section 2.3. The SUMMA® canisters will be placed at the typical breathing zone height (approximately five feet above the floor) during collection. Immediately after opening the flow control valve, the initial SUMMA® canister vacuum (in. Hg) will be noted. Conditions will be noted throughout the sampling period, including the vacuum of the samples and potential sources of VOCs in the vicinity of the sampling locations. Once the vacuum reading on the flow controller reads between approximately -8 in. Hg and -2 in. Hg (after approximately 8 hours), the flow controller valve will be closed, the final vacuum will be noted, and the SUMMA® canister will be placed in a shipping carton for delivery to the laboratory.

Ambient Air Sampling

One ambient (outdoor) air sample will be collected from an exterior location; the proposed location is shown in Figure 2. The actual ambient air sample location will be determined during the pre-sampling survey (Section 3.1) based on weather conditions and any work or other activities nearby. The ambient air sample will be collected concurrently with the sub-slab vapor and indoor air samples in a batch-certified 6-Liter SUMMA® canister equipped with a vacuum gauge and flow controller calibrated to collect the sample over an approximately 8-hour period. The SUMMA® canister will be placed at the typical breathing zone height (approximately five feet above the ground) during collection. Immediately after opening the flow control valve, the initial SUMMA® canister vacuum (in. Hg) will be noted. Conditions will be noted throughout the sampling period, including vacuum of the samples and potential sources of VOCs in the vicinity of the sampling locations. Once the vacuum reading on the flow controller reads between approximately -8 in. Hg and -2 in. Hg (after approximately 8 hours), the flow controller valve will be closed, the final vacuum will be noted, and the SUMMA® canister will be placed in a shipping carton for delivery to the laboratory.

Laboratory Analysis

Samples will be shipped to the laboratory with a chain of custody (COC). The sub-slab soil vapor, indoor air, and ambient air samples will be analyzed for VOCs by Environmental Protection Agency (EPA) Method TO-15 Select Ion Monitoring (SIM) by a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory with Category B deliverables and will be validated by a third-party prior to electronic data deliverable (EDD) submission to NYSDEC via EQuIS™. Naphthalene, which is a newer additional contaminant required for analysis, will be analyzed for TO-15 SIM for collected indoor air and sub-slab samples. Trichloroethene, cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, and vinyl chloride, which require low-level laboratory reporting limits of 0.20 micrograms per cubic meter (mcg/m3) or less, will be analyzed for EPA Method TO-15 SIM.

Schedule for Proposed Work

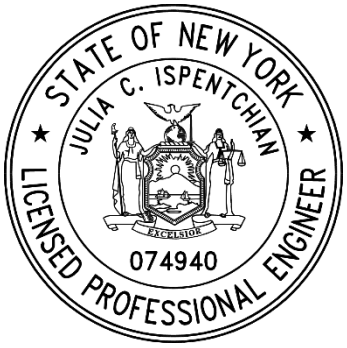
The SVIE field work will be conducted at the beginning of the heating season in December 2025 and January 2026. This will include installing three sampling and communication soil vapor pins into the concrete slab in mid to late December 2025. Afterwards, the SSDS will be shut down for a minimum period of thirty days. Sub-slab, indoor air samples, and an outdoor air sample will be collected in mid to late-January 2026, with results expected in the beginning of February 2026. We will review the results and provide a summary of the results compared to the NYSDOH SVI matrices and applicable guidance values by mid-February 2026. The Vapor Intrusion Evaluation Report and EDDs will be provided to the NYSDEC and NYDOH by the end of February 2026.

Soil Vapor Intrusion Evaluation Report (SVIER)

Upon completion of field work and receipt of laboratory analytical results, an SVIER will be prepared in compliance with Section 3.14 of DER-10. The SVIER will include: a description of the investigation and sampling methods; a presentation of the field and laboratory analytical results; field data sheets, the pre-sampling inspection form, and laboratory analytical reports as attachments; an interpretation of the findings and recommendations regarding the need to upgrade the SSDS; and an as-built plan detailing the layout, spatial distribution, and uses of areas within the building. Upon receipt of laboratory data and prior to submitting the SVIER, a summary of the results will be sent to the NYSDEC and the NYSDOH, and will be presented relative to the NYSDOH Soil Vapor/Indoor Air Decision Matrices A through F, as necessary, per the updated NYSDOH SVI Guidance (with updates February 2024).

Certification

I, Julia Ispentchian, certify that I am currently a (NYS registered professional engineer or Qualified Environmental Professional as defined in 6 NYCRR Part 375) and that this Soil Vapor Intrusion Evaluation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



December 15, 2025
Date

If you have any questions, please contact me at (585) 770-2597.

Respectfully submitted,

LaBella Associates, D.P.C.

Julia Ispentchian, PE
Senior Environmental Engineer

Attachments

Figure 1 – Site Location Map
Figure 2 – Site Map with Sampling Locations
Attachment 1 – Quality Assurance Project Plan
Attachment 2 – Health and Safety Plan
Attachment 3 – NYSDOH Indoor Air Quality Questionnaire and Building Inventory Form

FIGURES

NOTES:-
1. Property boundaries obtained from Westchester County GIS 2015 and are considered approximate.
2. Aerial Image obtained from New York State GIS Clearinghouse and may not represent current conditions.

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Soil Vapor Intrusion Evaluation Work Plan

1101 Linwood Street
Brooklyn, NY 11208

N

0 160 320
1 in = 320 ft

Site Boundary

Site Location

Figure 1

LaBella Project No: 2260182
Date: November 2025

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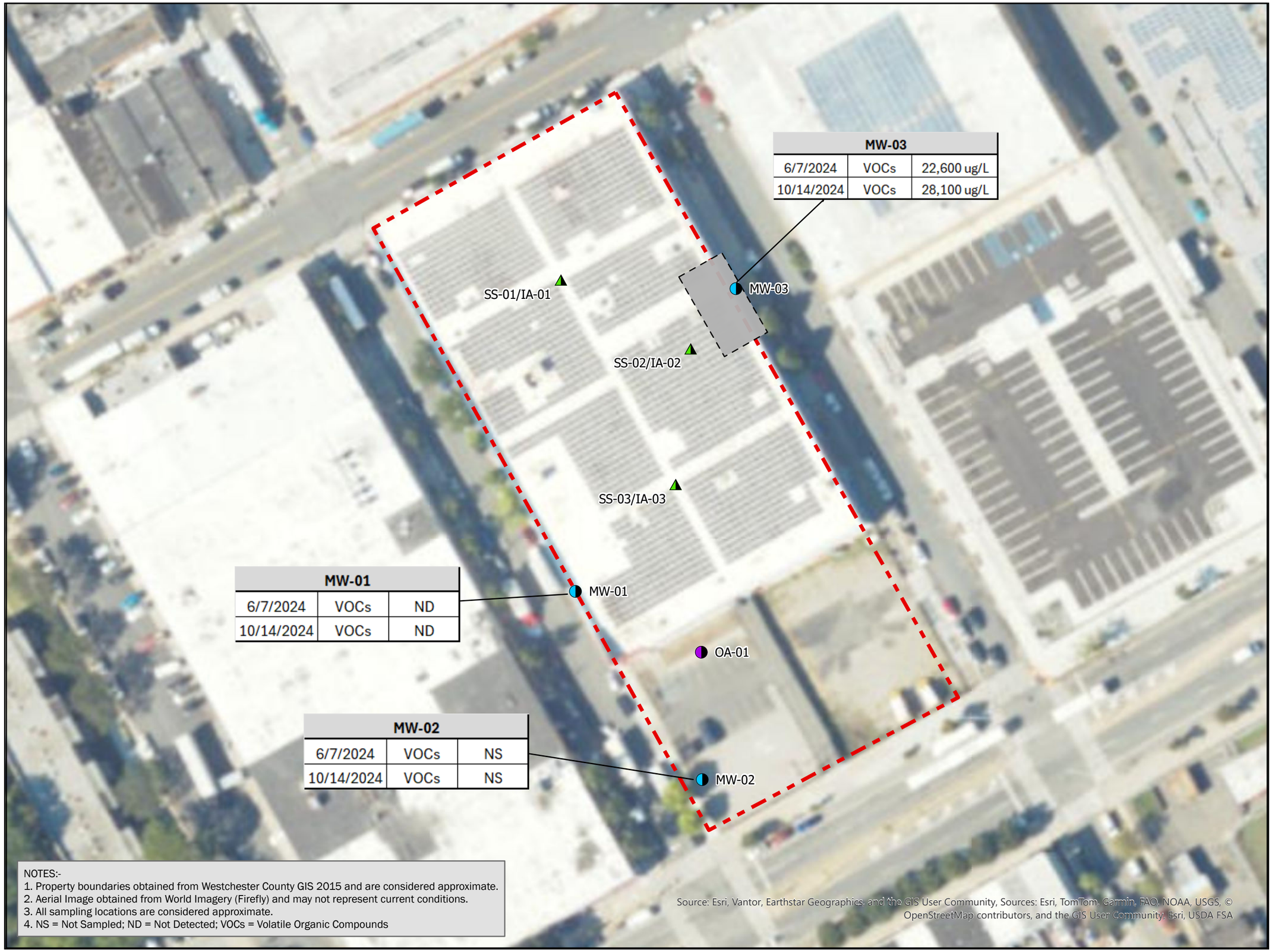

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Soil Vapor Intrusion Evaluation Work Plan

1101 Linwood Street
Brooklyn, NY 11208

N

0 42.5 85
1 in = 85 ft

- Site Boundary
- Source/Excavation Area
- Sub-Slab/Indoor Air Location
- Monitoring Well Location
- Outdoor Air Sampling Location

Site Map

Figure 2

LaBella Project No: 2260182
Date: December 2025

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APPENDICES

Quality Assurance Project Plan

Former S. & S. X-Ray Products, Inc.

VCP Site No. V00582

Location:

1101 Linwood St

Brooklyn, NY 11239

Prepared for:

Woodmont Development Corp

651 Willowbrook Road

Staten Island, NY

LaBella Project No. 2260182

December 2025

LaBella

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45 Main Street, Suite 1018 | Brooklyn, NY 11201 | p 917-280-6364

Table of Contents

1.0 INTRODUCTION

This Quality Assurance Project Plan (QAPP) describes the protocols and procedures that will be followed during the environmental sampling activities described inthe Vapor Intrusion Evaluation Work Plan (VIEWP) at the S&S X Ray site, hereafter referred to as the "Site". The Site is an approximately 2.23-acre property located at 1101 Linwood in Brooklyn, New York. The Site is identified on the New York City Tax Map as Brooklyn? Is this tax number correct if not updated? Borough Tax Block 4428, Lot 1. The Site was remediated under the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP) (Site No. V00582).

The objective of this QAPP is to provide Quality Assurance (QA) and Quality Control (QC) for the sampling to be conducted under the NYSDEC-approved VIEWP. Adherence to this QAPP will ensure that defensible data will be obtained during the environmental work completed at the Site

2.0 PROJECT ORGANIZATION

The investigative efforts defined in this SVIEWP will be coordinated by LaBella on behalf of Woodmont Development Corp. The following identifies the responsibilities of various organizations supporting the SVIEWP:

- The NYSDEC Project Manager (Daniel R. Nierenberg, PG) will be responsible for reviewing and approving this work plan, coordinating approval of requested modifications, and providing guidance on regulatory requirements.
- The LaBella Program Manager (Richard T. Kampf, PG) will perform general project coordination and technical direction and review.
- The LaBella Lead Remedial Engineer (Dan Noll, P.E) will provide technical expertise for review of the project plans, reports, and ongoing field activities. The Lead Remedial Engineer will act as the project's Quality Assurance Manager.
- LaBella Project Manager (Brice Lynch, PG) will be responsible for the day-to-day project management, task leadership, and project engineering support and for the planning and implementation of SVIEWP activities. The Project Manager is responsible for ensuring that the requirements of this SVIEWP work plan are implemented. The Project Manager will also act as the Site Health and Safety Manager (HSM).
- LaBella Field Team Leader (Wilson Corella) will be responsible for sample collection, oversight of subcontractor personnel, and coordination of daily field activities. The Field Team Leader will act as the Site Health and Safety Officer, ensuring implementation of the Site Health and Safety Plan.
- A NYSDOH ELAP-certified laboratory (York Laboratory) will be contracted to perform required analyses and reporting, including ASP Category B Deliverables, which will allow for data validation.
- The data validator (Tracey Evans) will be responsible for third-party validation and preparation of DUSRs.

3.0 SAMPLING PROCEDURES

Soil vapor intrusion (SVI) sampling is to be conducted in accordance with the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 and subsequent updates (most recent update, February 2024). An outdoor air sample is to be collected at an upwind direction as a control. A building inventory will be completed to document building construction information and identify products that may be contributing to the levels in indoor air.

4.0 LABORATORY ANALYSIS

Requirements for sample analysis are described below. All samples will be submitted to NYSDOH ELAP certified laboratory York Laboratories or Alpha Analytical for analysis in accordance with the Division of Environmental Remediation (DER)-10 and 2.1(f) with Category B Deliverables. Analytical methods, preservation, container requirements, and holding times are summarized below:

ANALYTICAL METHODS

(AIR)

Sample Matrix	Sample Type	Parameters	EPA Method	Number of Samples	Sample Preservation	Holding Time	Sample Container
Indoor Air	Grab	VOCs	TO-15 SIM	4	NA	30 Days	6 L Summa® Cannister
Outdoor Air	Grab	VOCs	TO-15 SIM	1	NA	30 Days	6 L Summa® Cannister
Sub-slab vapor	Grab	VOCs	TO-15 SIM	3	NA	30 Days	6 L Summa® Cannister

Air samples will be collected as described in the work plan. Analysis will conform to NYSDEC ASP Category B. Data will be validated by a third-party validator and a data usability summary report (DUSR) will be submitted, as well as electronic data deliverables submitted to NYSDEC in EQuIS Format.

5.0 FIELD/LABORATORY DATA CONTROL REQUIREMENTS

QC procedures will be followed in the field and at the laboratory to ensure that reliable data are obtained. When performing field sampling, care shall be taken to prevent the cross-contamination of

sampling equipment that could compromise sample integrity. An outdoor ambient air samples and a duplicate indoor air samples will be used as laboratory data QA/QC.

6.0 SAMPLE IDENTIFICATION

Each sample will be identified with a set of information relating individual sample characteristics. Required information consists of Sample Designation, Date, Time, and Matrix. Examples of sample IDs are shown below.

- IA-01 (indoor ambient air sample)
- SS-01 (sub-slab soil vapor sample)
- OA-01 (outdoor ambient air sample)
- DUP-01 (blind duplicate indoor? air sample)

Sample frequency, locations, and nomenclature may change subject to field decisions and professional judgment.

7.0 CHAIN-OF-CUSTODY, SAMPLE PACKAGING AND SHIPMENT

Each day that samples are collected, a chain-of-custody/request for analysis form will be completed and submitted to the laboratory with samples to be analyzed. A copy of the chain-of-custody will be retained by the Project Manager. The COC will include the project name, sampler's signature, sample IDs, date and time of sample collection, and analysis requested.

Samples will be packaged and shipped in a manner that maintains sample preservation requirements during transport, ensures that sample holding times can be achieved by the laboratory, and prevents samples from being tampered with. Samples will be delivered to the analytical laboratory as soon as possible after collection.

If a commercial carrier ships samples, a bill of lading (waybill) will be used as documentation of sample custody. Receipts for bills of lading and other documentation of shipment shall be maintained as part of the permanent custody documentation. Commercial carriers are not required to sign the COC as long as it is enclosed in the shipping container and evidence tape (custody seal) remains in place on the shipping container.

8.0 FIELD EQUIPMENT CALIBRATION

Equipment will be inspected and approved by the Field Team Leader before being used. Equipment will be calibrated to factory specifications, if required. Monitoring equipment will be calibrated following manufacturers recommended schedules. Daily field response checks and calibrations will be performed as necessary (i.e., PID calibrations) following manufacturers standard operating procedures. Equipment calibrations will be documented in a designated field logbook.

9.0 EQUIPMENT CONTAMINATION

Air sampling equipment will be stored, transported, and between samples decontaminated, in a manner consistent with the best environmental consulting practices to minimize problems such as field contamination and cross-contamination. Samples will be collected using certified clean sample devices.

10.0 MANAGEMENT OF INVESTIGATION DERIVED WASTE

Waste materials generated from the field operations may consist of tubing used for sub-slab air sampling and miscellaneous solid materials such as personal protective equipment and supplies. Investigative derived waste (IDW) generated during field operations will be disposed of in accordance with applicable regulations. Investigation and remedial derived wastes will be disposed of as hazardous or non-hazardous waste based upon their characteristic qualities.

11.0 FIELD DOCUMENTATION

Documentation will take place on either appropriate forms or in a dedicated site logbook. Permanent black or blue ink will be used to record information in the logbook. Errors in field documentation will be lined through, initialed, dated, and corrected. Forms will be kept by the LaBella Field Team Leader during the field activities. Field activities will be documented in the field logbook. The logbook will contain waterproof pages that are consecutively numbered and be permanently bound with a hard cover. Upon completion of daily activities, unused portions of pages will be lined-through and initialed.

The primary purpose of the field logbook is to document the daily field activities and to provide descriptions of each activity. All entries in the field logbook will be recorded and dated by person making the entry.

RICHARD KAMPF

NYC Regional Manager

Richard is the Regional Manager for the New York City office. He is a Professional Geologist with 20 years of experience providing environmental consulting, due diligence, risk management, and real estate advisory services in connection with environmental investigations, remediations, and risk management strategies. His clients include developers, real property owners and investors, Fortune 100 companies, municipalities, regulatory agencies, and attorneys. Richard's proven success in providing cost-beneficial value-added services is rooted in his commitment to achieving client objectives, his practical approach to environmental risk management, and his creative leadership.

PG

Licensed Geologist
NY, WA

EDUCATION

Pratt Institute: City & Regional Planning

New York University: Graduate Certificate – Real Estate Finance & Investment

Stony Brook University: Hydrogeology

College of William & Mary: B.S. in Geology

CERTIFICATIONS

Gold Certified Professional - New York City Office of Environmental Remediation

AFFILIATIONS

New York State Council of Professional Geologists

Gowanus Canal Conservancy - Board Member

Brownfield Coalition of the Northeast (BCONE)

NYC Brownfield Partnership

New York State Association-Affordable Housing (NYSAFAH)

Procida Development Group: Ebenezer Plaza 1—Brooklyn, NY

LaBella provided environmental planning, coordination, implementation, management, oversight, and reporting for the investigation and remediation of a multi-parcel consolidated city block in the Brownsville Section of Brooklyn, NY. The site consists of seven parcels on approximately 1.25 acres, formerly used for commercial purposes including several automobile body and repair shops, a former gasoline station, a used automobile dealership, and a former dry cleaner. Both sites, known as Ebenezer Plaza I (EP1) and II (EP2), are in the NYSDEC Brownfield Cleanup Program (BCP).

EP1 has been developed as a multi-story low- and moderate-income apartment housing complex with street level commercial storefronts. The complex includes over 310 units in two towers that surround a 40,000 square foot community center used for church services, soup kitchens, a food pantry, GED programs, addiction recovery meeting space, family counseling services, and more. The finished development converted a blighted property into a much needed and community-oriented mixed use complex.

At EP1, approximately 25,000 yd^3 of impacted soil that included regulated metals (lead and chromium) and chlorinated volatile organic compounds were excavated and removed for off-site disposal. The remediation included the treatment of groundwater heavily impacted with kerosene from historical dry-cleaning operations (circa 1930) and the identification and removal of 24 underground storage tanks. Engineering controls included a 20-foot-thick Petrofix barrier wall along the downgradient property boundary to mitigate off-site migration of residual groundwater impacts. The new development also utilized a vapor barrier system and sub-slab depressurization system for long-term mitigation. LaBella prepared the Phase I and Phase II ESAs, Remedial Investigation Work Plan, Remedial Investigation Report, Remedial Action Work Plan,

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Final Engineering Report, and Site Management Plan.

This project achieved a Certificate of Completion in 2020 and was awarded the 2021 Big Apple Brownfield Award for Innovative Remediation.

On-Call Environmental Consulting and Brownfield Planning Services—New York City, NY

As Principal-in-Charge of PW Grosser Consulting's On-Call Environmental Consulting and Brownfield Planning Retainer Contract with the NYC Mayor's Office of Environmental Remediation (OER), led a team in the fields of environmental consulting, urban planning, economic development, real estate development, community engagement, transportation and environmental planning, and GIS/IT services. Directed and oversaw due diligence investigations for numerous City-owned properties, including performing a Phase I ESA and Phase II ESA/Remedial Investigation for 1921 Atlantic Avenue, a 14-story, 235-unit affordable housing development in Brooklyn's Bedford-Stuyvesant neighborhood to support its entry into the New York State BCP.

New York City Mayor's Office of Environmental Remediation and Private Real Estate Developer: On-Call Environmental Consulting Services, Remedial Investigation, Affordable Housing Development—Bedford-Stuyvesant, Brooklyn, NY

As Principal-in-Charge of PWGC's On-Call Environmental Consulting Contract with the NYC Mayor's Office of Environmental Remediation (OER), responsible for leading a team of best-in-practice professionals and consultants in the fields of urban planning, economic development, real estate development, community engagement, transportation and environmental planning, and GIS/IT services. Under this contract, directed and oversaw due diligence investigations for numerous city-owned properties, including performing a Phase I ESA and Remedial Investigation (RI) for 1921 Atlantic Avenue.

The 1921 Atlantic Avenue development is an integrated 14-story new construction project that combines dedicated senior, affordable, and middle-income housing and will bring a total of 183 units for seniors and low- to moderate-income households to the Bedford-Stuyvesant neighborhood of Brooklyn. The 30,000+ sf development consists of a total of 15 individual city lots, 12 of which are owned by the New York City Department of Housing Preservation and Development (HPD), while three were recently acquired by the developer through private transactions. Former uses of the property include auto repair and the presence of multiple petroleum underground storage tanks (USTs) have been documented.

Led project coordination efforts among project stakeholders including NYC OER, HPD, the developer, and environmental attorneys, in order to manage the collection of data as required by multiple regulatory jurisdictions and programs into a single report. The RI included the advancement of 21 soil borings including at least one on each lot, collection of 39 soil samples, installation and sampling of four groundwater monitoring wells, and collection of eight soil vapor samples. The RI Report supports the client's financing and environmental risk management objectives indicating that the property is eligible for entry into the New York State Brownfield Cleanup Program (BCP) and was included in a Brownfield Cleanup Program Application submitted to NYSDEC. Prepared remediation cost estimates to support the clients' project financing objectives.

On-Call Environmental Consulting Services: E-Designation Remedial Investigation—Brooklyn, NY

Project Director, Provided risk management and real estate advisory services to developer for the redevelopment of a former industrial property into a six-story condominium in Williamsburg, Brooklyn. Directed and oversaw the remedial investigation and remedial actions in NYC OER's E-Designation program. The property had a history of gas production and the presence of historic fill containing arsenic, lead, and copper at concentrations well above acceptable standards. Developed a technical and strategic approach based upon an accurate and conceptual site model and multiple lines of technical evidence to successfully negotiate a risk-based remedial action plan that involved pre-negotiated hot spot removal of soils without the potential for additional soil removal requirements based on sampling results.

Ideal Trading Company, Former Liberty Brass Site: NYS BCP Investigation & Remediation—Long Island City, Queens, NY

2019 Big Apple Brownfield Award Winner for Environmental Protection

Responsible for the investigation, remediation, and overall environmental risk management practices in connection with the redevelopment of a 22,500 square foot former metal plating and hardware manufacturing facility in Long Island City, Queens, New York.

Richard directed and oversaw the performance of a Remedial Investigation and facilitated the expedited NYSDEC-approval of a Remedial Investigation Report and Remedial Action Work Plan. Constituents of concern (COCs) in soil that require remediation include chlorinated aliphatic hydrocarbons and petroleum hydrocarbons associated with the use of a vapor degreaser and cutting oils. Additional COCs include metals, pesticides, and polyaromatic hydrocarbons resulting from the presence of historic fill.

Richard facilitated close communication among ownership, the construction manager, architect, project engineers, and NYSDEC and directed and oversaw PWGC engineers and scientists to ensure the removal and proper disposal of approximately 30,000 tons of material among a variety of waste streams. Challenges included the excavation of several deep hot spots of TCE-contaminated soil to the limits of technical practicability, the installation of an upgradient reactive barrier, and in-situ chemical oxidation injections to treat residual material in the source area. Oversaw the preparation, submittal, and approval of Final Engineering Report and Site Management Plan and led regulatory negotiation which, despite significant challenges, achieved a Certificate of Completion for a conditional Track 1 cleanup in December 2018.

Phelps Dodge Superfund Site: Environmental Due Diligence—Queens, NY

Project Director, directed and oversaw environmental due diligence in connection with the redevelopment of a portion of the former Phelps Dodge Superfund Site in Maspeth, Queens, New York. The properties, consisting of portions of a former copper refinery, are being remediated under an Order on Consent and Record of Decision with NYSDEC in coordination with NYSDOT, which has easements on the properties. Developed and executed the overall environmental risk management strategy for the client, provided support to attorneys on contract negotiations with the seller with respect to retained liabilities and potential re-openers, and integrated redevelopment plan with the remedial requirements.

Subsurface Investigation and Remedial Action Work Plan: 27-09 4th Avenue—Astoria, NY

Responsible for evaluating subsurface investigation results and preparing a Remedial Action Work Plan (RAWP) with the objective of achieving a Track 1 cleanup. Worked closely with the Client, NYSDEC, the Remedial Engineer, attorneys, and contractors to develop a remedy for a site with a complex geology and a history of chlorinated solvent usage. The remedy involves soil excavation to remove hot spots to depths of approximately 27 feet bgs, design and installation of soil vapor extraction and sub-slab depressurization systems, and groundwater treatment consisting of the application of reactive amendments at the groundwater interface in source areas, in-situ injection of chemical oxidant along transects located downgradient of source areas, and a downgradient permeable reactive barrier.

Environmental Due Diligence and Brownfield Planning: Waterfront Revitalization Master Plan—New Milford, CT

As a subcontractor to a leading NYC-based urban design, planning, and architecture firm, Richard was responsible for coordinating with project stakeholders, evaluating existing brownfield conditions, identifying strategic sites and performing Phase I and II environmental site assessments of a former railyard, fuel depot, and gasoline service station. This work was done as part of an effort to evaluate brownfield funding and remediation alternatives within the context of the development of an overarching waterfront master plan for the Housatonic Riverfront in New Milford, CT to support the Town's economic development objectives. Recommendations for remediation included shallow excavation with on-site beneficial re-use of coal ash contaminated with lead, arsenic, and other heavy metals.

Former Gasoline Service Station, Property Owner: Subsurface Investigation/Liability Management—Brooklyn, NY

Responsible for directing and overseeing subsurface investigation in connection with

the presence of petroleum hydrocarbon-related material in subsurface soils at a former gasoline service station located in Brooklyn, New York. Developed and executed a strategy to manage client's liability in response to a request from NYSDEC to investigate client's property, a former gasoline service station, located adjacent to another former gasoline service station with a known release and active spill number. NYSDEC requested the client to perform a subsurface investigation of its property to evaluate the potential for that property to be a source of dissolved-phase petroleum hydrocarbon-related material in groundwater. Developed a phased approach to performing the investigation and established multiple lines of evidence to support the conclusion that the adjacent former gasoline service station property was the source of any petroleum hydrocarbon-related material in the subsurface on client's property. NYSDEC agreed that no further action was necessary.

Technical Support for Groundwater Natural Resource Damage Assessment, Confidential

Provided technical support for the preparation of multiple deliverables to establish approaches and groundwater injury quantification and damages determination in connection with a groundwater Natural Resource Damage Assessment (NRDA) in New York State. Prepared a series of memorandum that characterized the quality of the aquifer system and related groundwater protection, recharge, and monitoring programs, evaluated the volume of impacted groundwater and available options, and related costs and benefits, of potential restoration projects, and examined the nature and extent of plume commingling.

Engineering Contract Administration: Architect/New York City Agencies

Developed and managed multiple engineering design services contracts as sub-contractor to architect with contracts with NYC DDC and General Services Administration (GSA). Managing contract for fuel system design engineering services for the new NYPD Station House within the 116th Precinct in Queens under architect's DDC Design Excellence Contract. Managing engineering design contract for replacement/repair of fuel storage tanks (24,000 gallon-tank at 500 Pearl Street and 1,000 gallon-tank at 26 Federal Plaza) under architect's contract with the GSA. Managing contract for fuel system design engineering services for the Clove Road Field Office Facility under architect's contract with DDC.

Former Atlas White Metal Site, Property Owner: Subsurface Investigation & Remediation—Brooklyn, NY

Responsible for directing and overseeing investigation, remediation, and overall environmental risk management practices in connection with a former lead smelting facility in Red Hook, Brooklyn, New York. The project is under United States Environmental Protection Agency (USEPA) oversight within its Removal Action Program. Constituents of concern (COCs) in soil that require remediation include lead, arsenic, and antimony. Directed and oversaw the performance of a Site Investigation according to an EPA-approved Work Plan, including Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP). Prepared a Site Investigation Report and Remedial Action Work Plan. Presented multiple lines of evidence to support the conclusion that dissolved-phase lead and arsenic were not site-related and that shallow soil removal and capping would be the appropriate remedy.

Fortune 50 Telecommunications Company: Environmental Consulting and Risk Management—Basking Ridge, NJ

Directed and oversaw environmental compliance review in connection with the preparation of a decommissioning design plan for the removal of three subsurface vaults that are part of an existing underground eutectic energy storage system. Advised client regarding the risks associated with the potential for a confirmed discharge to occur, or to have occurred, which would require oversight by a New Jersey Licensed Site Remediation Professional (LSRP), and advised regarding means of evaluating/eliminating the potential for such a discharge to take place during the vault decommissioning process. Directed and oversaw waste disposal and coordination support services in connection with vault water and salt pack disposal, including vault water sampling, data evaluation, and disposal facility selection and approval. Constituents of concern (COCs) include trichloroethane (TCA).

Real Estate Developer: Subsurface Investigation & Remediation/Liability Management, Redevelopment—Brooklyn, NY

Provided risk management and real estate advisory services in connection with the redevelopment of a former industrial property into a six-story condominium in Williamsburg, Brooklyn. Responsible for directing and overseeing the remedial investigation and remedial actions under the oversight of the NYC Mayor's Office of Environmental Remediation (OER). The property had a history of gas production and the presence of historic fill containing arsenic, lead, and copper at concentrations well-above acceptable standards. Developed a technical and strategic approach based upon an accurate conceptual site model and multiple lines of technical evidence to successfully negotiate a risk-based remedial action plan that involved pre-negotiated hot spot removal of soils containing unusually high concentrations of metals without the potential for additional soil removal requirements based on sampling results. The approach provided the client with additional certainty regarding cost and schedule and resulted as well in cost savings in connection with eliminating the potential for additional soil excavation and related transportation and disposal fees.

Retail Shopping Center, Asset Management Firm: Subsurface Investigation & Remediation/ Liability Management—Irvington, NJ

Responsible for directing and overseeing the remedial investigation and remedial actions in connection with a site with a 20-year regulatory history in connection with multiple heating oil UST releases and dissolved-phase chlorinated aliphatic hydrocarbons (CAHs) in groundwater. Applied for and obtained extension of RI completion deadline. Developed technical and strategic approach that significantly reduced client's costs by utilizing deed restrictions rather than performing unnecessary soil excavation. Achieved soil-only Response Action Outcome within 12 months.

Industrial Business Park, Property Owner: Subsurface Investigation & Remediation/ Liability Management—Whippany, NJ

Responsible for directing and overseeing the remedial investigation and remedial actions in connection with heating oil UST release in advance of the sale of the property. Developed technical and strategic approach for a remedial strategy that saved client $500K+ by avoiding unnecessary soil excavation and utilizing monitored natural attenuation and a CEA for groundwater in close proximity to the Whippany River. Provided technical support for successful cost recovery from insurance carrier. Provided technical and strategic support for attorney-led negotiations in connection with an off-property former RCRA TSD source of a dissolved-phase chlorinated solvent groundwater plume that had migrated onto the client's property. Established multiple lines of evidence to support an alternative site conceptual model which demonstrated that leaking sanitary and stormwater infrastructure at the adjacent property was the most likely source of the dissolved-phase chlorinated solvent groundwater plume onto the client's property. Supported legal action to recover costs/damages in excess of $1M based on findings.

Fuel Oil Terminal, Mediating Attorney: Technical Support for Liability Mediation—Cold Springs, NY

Provided technical support to the mediating attorney on a multi-party settlement and cost-sharing agreement in connection with multiple co-mingled light non-aqueous-phase liquid (LNAPL) plumes composed of over a dozen different petroleum product types of varying age, critically reviewed PRP advocacy materials, including technical presentations and position papers, site conceptual models, constituent fate and transport mechanisms, and chemical forensics. Prepared technical questions for experts to help resolve discrepancies among alternative environmental forensic arguments and fate and transport scenarios for LNAPL and dissolved-phase constituents to support an independent technical foundation for cost allocation resulting in a successful mediated settlement.

Active Fuel Oil Terminal, Property Owner: Subsurface Investigation & Remediation/ Liability Management—Brooklyn, NY

Responsible for directing and overseeing remedial investigation and in connection with release of petroleum hydrocarbon-related materials at an active fuel oil terminal located on Gravesend Bay. Developed and executed a strategy to manage client's liability in connection with light non-aqueous phase liquid (LNAPL) that had allegedly

migrated from a major oil storage facility (MOSF) onto an adjacent property that was being redeveloped. Established multiple lines of evidence to support an alternative site conceptual model which raised uncertainty concerning the source of the petroleum hydrocarbons on the adjacent property. Confirmed that the LNAPL was limited in volume and extent, immobile, and did not present an unacceptable risk to human health or the environment thereby rendering unnecessary NYSDEC's requirement to excavate over 10,000 cubic yards of soil at a projected cost of over $2M. Negotiated an alternative remedial action for the adjacent property that was projected to cost less than $100K, which benefited the adjacent property and NYSDEC while eliminating client from liabilities at the adjacent property. Investigated and evaluated stormwater infrastructure, and included an updated stormwater management plan, as part of a sustainable groundwater remedy. On-property remedy also proposed the use of solar powered skimmers to address LNAPL.

PRP Group: Project Coordination/Liability Management, Quanta Resources Superfund Site—Edgewater, NJ

Provided technical and strategic environmental risk management for multi-member PRP group in connection with the investigation and selection of a remedy for a former coal tar processing plant, sulfuric acid plant, and other industrial uses, under CERCLA. Led technical and strategic efforts on behalf of PRP Group in connection with site characterization and development of remedial alternatives to address dissolved arsenic and dissolved and non-aqueous phase coal tar constituents in groundwater and soil. Developed and executed a strategy for obtaining approval from NJDEP for a Technical Impracticability Waiver of groundwater ARARs. Coordinated and oversaw preparation of technical work plans and sensitive and strategic deliverables in connection with source-apportionment, cost allocation, and settlement negotiations for the upland portion of the site as well the adjacent surface water body and associated sediments. Coordinated the preparation of an allocation report, utilizing Gore factors and other allocation criteria, based on historical operations, release scenarios, and key chemical forensic characteristics. A key strategic goal was to limit the client's exposure to a cost allocation and natural resource damage claim with respect to constituents in both upland and water-based operable units. A cash-out settlement significantly limited client's future potential liabilities at an extremely low percentage of total costs and with limited additional premium.

PRP Group: Project Coordination/Liability Management, Quanta Resources Superfund Site—Long Island City, NY

Provided technical and strategic environmental risk management for multi-member PRP group in connection with RI/FS, remedial design, and remedial action at former oil recycling facility in the New York State Superfund & Brownfield Cleanup Programs. As lead regulatory negotiator for the PRP group, successfully negotiated a remedy with NYSDEC with sufficient flexibility to accommodate uncertainty surrounding future redevelopment plans and address the concerns of multiple stakeholders. Directed and oversaw LNAPL remedy selection and the development of risk management strategies in connection with off-property vapor intrusion concerns. Oversaw the decommissioning and demolition of the facility which included the removal and disposal of a one million gallon capacity above-ground tank farm, associated piping, and asbestos-containing brick buildings, air monitoring, tire disposal, crushing and on-site beneficial reuse of concrete structures, segregation of soils suitable for on-site beneficial reuse, site grading, and stormwater management planning.

Matton Shipyard: Preservation & Adaptive Reuse Initiative - Erie Canalway Heritage Fund Peebles State Park—Cohoes, NY

Richard led the development of a multi-disciplinary team, the preparation of a proposal for the Eric Canalway Heritage Fund, and managed a project that involved performing building and shoreline assessments, cost estimating for stabilization and building mothballing, developing a plan for soil remediation, completing an aquatic and ecological assessment, and in coordination with First Nations, permitting, and grant writing. The completed assessments were combined into an initial document describing next steps and containing assessment reports, preliminary construction plans, and a SEQRA Environmental Assessment Form in coordination with the NYSOPRHP. A Joint Permit

Application was submitted to the Corps of Engineers and NYSDEC for the shoreline stabilization, along with a non-jurisdictional request to the NYSDEC for concurrence that there would not be impacts on a nearby bald eagle nest. Following receipt of comments from regulatory agencies, a SEQRA Negative Declaration was completed, contract documents developed, and a successful grant application resulting in a $485K grant issued to implement the next phase of the work - shoreline stabilization and soil remediation. Permitting is being finalized.

40th Avenue Dutch Kills Realty, LLC: 40th Avenue Supplemental Remedial Investigation—Long Island City, Queens, NY

As Project Director, Richard directed and oversaw the completion of a Supplemental Remedial Investigation and the preparation and NYSDEC-approval of a Remedial Action Work Plan for this site located in Astoria, Queens. An E-designated site for HazMat, noise and air, this site entered the New York State Brownfield Cleanup Program (NYSBCP) because of the presence of chlorinated solvents in soil and groundwater. Historical operations included a dry-cleaner, automotive repair and machine shop businesses, a glass factory, a woodworking, and photo-engraving shop. Complicating factors relevant to site remediation included the presence of a thick clay layer near the water table and the depth of contamination by chlorinated solvents. The site is being redeveloped into a mixed-use building consisting of commercial and residential space. The planned goal of the remediation is to achieve a Track 1 cleanup.

The Remedial Investigation identified the localized presence of PCE source material in at least three areas on site, at depths varying from 20 to 27 feet, and the presence of chlorinated aliphatic hydrocarbon related-constituents in soil vapor and groundwater throughout the property. Metals, SVOCs and a pesticide were also identified in soil at the site. The available information indicates that at least one potentially upgradient source, the Bridge Cleaners Site, may be contributing to the presence of PCE in groundwater at and around the site. In general, contaminated historic fill material is underlain by layers of fine to medium silty sands and silt which overlie thick, competent, high plasticity clay layer dips significantly towards the west and acts as a hydraulic boundary layer.

As part of the Supplemental Remedial Investigation (SRI) a total of fifty-five (55) soil samples were collected and analyzed. In addition, ten (10) groundwater monitoring wells were installed on-site and off-site and sampled and a total of eight soil vapor samples (four on-site and four off-site) were collected and analyzed. The remedy includes excavation of historic fill and hot spots to depth of up to 15 ft and deeper as necessary, a sub-slab depressurization system, soil vapor extraction system, and in-situ groundwater treatment system consisting of soil amendments, passive reactive barrier, and in-situ chemical oxidation that will be designed and installed to prevent the off-site migration of contaminated groundwater. Remediation has recently begun.

Procida Development Group: Ebenezer Plaza 2—Brooklyn, NY

At EP2, over 4511.32 tons of C&D debris was removed prior to performing a geophysical investigation which identified the presence of four 550-gallon gasoline underground storage tanks (USTs) which were removed and properly disposed. Supplemental soil delineation was performed in order to explore additional response actions to achieve a Track 2 clean up. Approximately 949 tons of lead contaminated soil, including 676 tons hazardous soil, was excavated from the top, approximately 6 ft from a high concentration lead area, which originated from the historical use of the property as a salvage yard. In addition, approximately 11,406 tons of petroleum-contaminated soil was excavated from a petroleum hot spot in the vicinity of the former petroleum USTs and extending to a depth of approximately 32 feet below ground surface (ft bgs) was excavated to a depth of approximately 17 ft bgs to remove soil containing COCs above applicable SCOs. A network of permanent in-situ chemical oxidation (ISCO) injection wells were installed in order to inject activated sodium persulfate (ASP) to treat the remaining petroleum contamination in the saturated zone. A total of 19,457 tons of debris and soil has been removed and transported for off-site disposal. The project required dewatering because of the shallow water table and the design and installation of a sub-slab depressurization system. The project is presently under construction.

DANIEL NOLL

Vice President

Dan has more than 28 years of experience with environmental projects at industrial/manufacturing facilities and environmental investigation and construction projects for a variety of clients including developers, financial institutions, industrial clients, and municipalities (municipally and USEPA grant funded projects). Dan has managed numerous Brownfield Assessment projects that have included site inventories and Phase I and Phase II Environmental Site Assessments. These investigations have included groundwater monitoring programs, soil vapor investigations, test pit investigations, bedrock groundwater investigations, and geo-probe investigations. Dan also has extensive experience supporting construction projects that encounter fill materials and completing beneficial use determinations. In addition, Dan has significant remedial design and implementation experience including landfill cover systems, electrical resistance heating systems, underground storage tank removals, soil removals, bio-cell remediations, and in-situ groundwater remediation. He also has experience with the design and installation oversight of mitigation systems.

Compliance Bio:

Dan has more than 28 years of experience with environmental compliance/audits and investigation and remediation projects at industrial/manufacturing and municipal facilities. Dan has worked with a large variety of manufacturing clients from food processing facilities to heavy industrial facilities like steel manufacturing. Dan has worked with all manners of clients to assess their operations and determine applicable regulations and compliance programs to their specific work and location. Dan has assisted clients with a wide variety of permitting including National and State Pollution Discharge Elimination System (NPDES/SPDES) permits, Petroleum Bulk Storage (PBS) permits, Chemical Bulk Storage (CBS) Permits, Resource Conservation and Recovery Act (RCRA) permits, air permits, Land Application permits, Composting permits, etc., Dan has also worked with clients to develop programs and compliance plans for their facilities including Spill Prevention, Control and Countermeasure (SPCC) Plans, Stormwater Pollution Prevention (SWPP) Plans, Hazardous Waste Contingency Plans, Spill Prevention Reports and other similar compliance plans.

PE

Professional Engineer: NY, ME, OH, NH, AZ, CO, CT, IA, KS, MA, ND, OR, SD, WA

EDUCATION

Clarkson University: B.S. in Chemical Engineering

CERTIFICATIONS/ REGISTRATIONS

OSHA 40-Hour Certified Hazardous Waste Site Worker Training

OSHA 8-Hour Certified Hazardous Waste Site Worker Refresher Training

NYSDEC Brownfield Cleanup Program (BCP)

Urban League of Rochester: Wollensak Optical—Rochester, NY

Dan served as the overall Engineer in Charge of the investigation and remediation work at the former Wollensack Optical facility. The site was entered into the NYSDEC Brownfield Program to address contamination that resulted from historical operations at the site. The remedial investigation identified orphaned underground storage tanks and associated

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petroleum impacted soil and groundwater, chlorinated solvent impacts to soil and groundwater and radioactive building materials. Dan guided the technical aspects of the investigation work which included delineation of a chlorinated solvent groundwater plume that extended from the overburden and into a fractured bedrock network. Subsequent to completing the investigation work, Dan served as the Engineer of Record for the remedial analysis and the remedial action work plan. The selected remedy included in-situ chemical treatment to address chlorinated solvents, removal of underground tanks and a sub-slab depressurization system to mitigate potential exposure concerns. The remedial work allowed for the redevelopment of the building into an affordable housing complex.

Getinge USA, Inc.: Electrical Resistance Heating Project, Getinge Manufacturing Facility—Henrietta, NY

Dan served as the overall Engineer in Charge and Certifying Engineer for the design, installation and operation of an electrical resistance heating system to remediate a source area of chlorinated solvents beneath a former manufacturing building. The ERH approach was selected in order to rapidly and effectively remove significant mass from the source area materials. The ERH operated for 80 days and removed an estimated 168 pounds of Trichloroethylene. The ERH was supplemented with an injection of an amendment to provide further long-term treatment and allow for natural attenuation monitoring as part of the overall remedy. This project successfully obtained a Certificate-of-Completion through the NYSDEC Brownfield Program.

Stern Family Limited Partnership: Former Manufacturing Facility BCP Site—Rochester, NY

Dan was the Project Engineer for this BCP Site, which underwent a Remedial Investigation, Interim Remedial Measures, and installation of a sub-slab depressurization system. Dan completed and stamped the Final Engineering Report required to obtain the Certificate of Completion for the property owner, allowing them to obtain their tax credits.

Springs Land Company: Carriage Cleaners BCP Site—Rochester, NY

As Project Manager, Dan completed a Brownfield Cleanup Program (BCP) Application & Work Plan to conduct a Remedial Investigation at a former dry cleaning facility. A soil, groundwater, and soil gas study was undertaken to develop remedial costs and assist with redeveloping the property. Subsequently, an Interim Remedial Measure was completed to remove the source area of impacts from the site. Dan completed a remedial alternatives analysis for selecting a treatment approach for the residual groundwater plume. Dan also attended town board meetings regarding this project.

American Siepmann Corporation: Former Manufacturing Facility BCP Site—Henrietta, NY

Dan was the Project Manager for this Brownfield Cleanup Program (BCP) Site and has overseen the installation of a groundwater monitoring well network and subsequent routine sampling as part of a Monitored Natural Attenuation (MNA) program for remediation of chlorinated groundwater impacts at the site.

RJ Dorschel Corporation: Former Gasoline/Service Station BCP Site—Rochester, NY

Dan was the Project Manager for this BCP Site, which included Remedial Investigations at two adjoining parcels, implementation of Interim Remedial Measures, and development of the Final Engineering Report and Site Management Plan. The project also included implementation of necessary Citizen Participation requirements. The project ultimately obtained the Certificate of Completion and thus the NYS tax credits.

One Flint Street Associates: Vacuum Oil BCP Site—Rochester, NY

Dan was the Project Manager for this Brownfield site that is the oldest oil refinery in the United States. The project included developing a remedial investigation plan for two parcels that have had a history of oil refining since the 1800s. The remedial investigation was designed to fill data gaps from previous studies in order to minimize cost to the client.

Genesee Valley Real Estate: Former Bausch & Lomb Facility BCP Site—Rochester, NY

Dan is Project Manager for this Brownfield site that served as a manufacturing facility from the 1930s to the 1970s. The project includes a Remedial Investigation (RI) of a four-acre parcel with ten areas of concern identified based on historic information. The RI identified four areas requiring remedial actions and Interim Remedial Measures have been completed in three of the locations. The areas of remediation included petroleum impacted soil and groundwater with free floating petroleum product, and chlorinated solvent contamination including bedrock

impacts at depth. A remedial alternatives analysis is being completed to determine a final remedy for the site.

Alternative description below:

Dan was Project Manager for this Brownfield site that served as a manufacturing facility from the 1930s to the 1970s. The project included a Remedial Investigation (RI) a four-acre parcel with ten areas of concern identified. The RI identified four areas requiring remedial actions. The remedial areas included petroleum impacted soil and groundwater, free floating petroleum product, and two areas of chlorinated solvent contamination with one including bedrock impacts at depth. A Feasibility Study was completed that evaluated pros/cons and associated cost of each remedial alternative. The remedial work was agreed to with NYSDEC and Dan led the design of the remedial systems for each area. The remedial approach included in-situ chemical oxidation for one of the chlorinated solvent areas through several subsurface injection manifolds. The remediation approach for the other area of chlorinated solvent impacts included the design and installation of bedrock injection wells and a pump and treat groundwater extraction system. The injection wells were utilized inject zero-valent iron for treatment of the solvents. The pump and treat system was utilized to pull the injection chemicals across the impacted area for greater distribution. The remedial systems were successful and the site received a Certificate of Completion from NYSDEC in 2018.

Bajrangee, Inc.: Comfort Inn, BCP Site—Rochester, NY

Dan was the Project Manager for this Brownfield site that included a design phase investigation to determine the extent of remedial work. The remediation work included excavation of chlorinated solvent impacts to soil and groundwater from the basement of the building. This included proper shoring design to facilitate the removal action. A second phase of the remediation included injection of treatment chemicals to address downgradient groundwater impacts.

DePaul Properties: Brenneman Industrial—Oswego, NY

Dan was the Engineer of Record for the investigation and remediation work at the former Brenneman industrial facility. The site was identified as a 'catalyst' site through the NYSDEC Brownfield Opportunity Area program and based on that a developer put the site into the NYSDEC Brownfield Program. The remedial investigation identified a plume of chlorinated solvents and significant fill material at the site. Dan led the team that evaluated remedial options and selected the remedy for the site. Dan provided technical oversight during the remedy implementation phase and during site management phase as part of the redevelopment of the site. The site was successfully redeveloped into an affordable housing building filling a need for the community.

Marketview Park—Ithaca, NY

Dan served as the Technical Manager for an affordable housing/commercial redevelopment project in Ithaca NY. The site had significant urban fill material identified during a routine due diligence project. The funding source (Housing and Community Renewal) required specific actions be implemented during construction to allow for redevelopment for the intended use. Due to significant cost for removal and disposal of these materials, Dan led a project team that developed a beneficial use determination (BUD) for the reuse of the urban fill material that was encountered during construction. Ultimately several 'BUDs' were obtained to minimize disposal cost and allow the project to move forward.

Covanta Niagara, L.P.: Brownfield Redevelopment Project, Covanta Rail-to-Truck Intermodal Facility—Niagara Falls, NY

Dan was the Remedial Engineer for the investigation, remediation and redevelopment of a 15-acre former industrial site for use as a Rail-to-Truck Intermodal Facility (RTIF). The project was completed through the Brownfield Cleanup Program (BCP) and involved the completion of a Remedial Investigation (RI); development of a NYSDEC-approved Remedial Action Work Plan to address a range of contamination, including radioactive slag. The project was completed successfully and obtained a Certificate of Completion which allowed redeveloping the property for the proposed use.

Procida Development Group: Ebenezer Plaza II, BCP Site Remediation—Brooklyn, NY

Dan was the Engineer of Record for the design and construction of remedial systems at a Brownfield Cleanup Program Site in Brooklyn, NY. The remediation work consisted of a source area soil removal, in-situ chemical injections and a sub-slab depressurization system (SSDS). The soil removal was completed in-conjunction with the site development work in order to minimize excavation and dewatering costs. Subsequent to soil removal, an injection well network was designed for

treating residual impacts via in-situ chemical oxidation. The future site use will be residential and an SSDS was designed and installed as a precautionary measure in order to mitigate potential exposure due to vapor intrusion. The project has completed the remedial action construction phase and is on track to achieve a Certificate of Completion in 2024.

Mark IV Enterprises: Monoco Oil Brownfield Cleanup and Redevelopment—Pittsford, NY

Dan was the Engineer of Record for the NYSDEC Brownfield Cleanup Program for this project. This complex environmental project involves the cleanup and demolition of a 20-acre blighted vacant oil refinery. The remedial work included removal and disposal of over 20,000 tons of contaminated soils and construction of a cover system over the entire 20-acre site. The redevelopment plan for the project includes redevelopment of an upscale waterfront apartment and town home complex along the canal. Dan conducted all NYSDEC, NYSDOH, and local negotiations for many aspects of the project. Public participation and communication was been paramount to the project success.

Canandaigua Pinnacle North Brownfield Remediation—Canandaigua, NY

Dan was the Project Manager and Engineer-of-Record for the remediation and subsequent environmental monitoring during redevelopment of a 12 acre site in Canandaigua, NY. The environmental concerns included former landfilling, gasoline filling stations, an area of PCB impacted soil and an area of pesticide impacted soils. The remediation work included removal of 17 Underground Storage Tanks (USTs), 11,000 tons of contaminated soil removal/disposal, confirmation soil sampling and subsequent groundwater monitoring. The remedial work and construction dewatering required removal and treatment of 9,400,000 gallons of groundwater and LaBella monitored/sampled and obtained the local sewer use permit for discharge. The remedial work also included constructing a cover system for the 12 acre site. Dan also designed and commissioned 3 sub-slab depressurization systems in order to eliminate the potential for soil vapor intrusion concerns. Dan also designed and oversaw installation of clay plugs around a storm sewer utility line that extended through an area of groundwater contamination in order to minimize concerns with contaminant migration along sewer bedding. All required reports were completed and approved by NYSDEC and the site received a certificate of completion.

US EPA Grant Funded Projects

City of Rochester: US EPA Brownfield Assessment Grant: Phase I & II ESAs—Rochester, NY

Dan served as the Project Manager for over a dozen Phase I and II ESAs completed for the City of Rochester, NY. These projects were funded by the US EPA Brownfield Assessment Grant. These projects included manufacturing facilities, former dry cleaners, former gas stations, areas of landfilling and other former uses of concern. Dan completed site eligibility forms and Quality Assurance Project Plans for submission by the city to US EPA. Dan oversaw the Phase I ESAs and conducted final QA/QC reviews for the reports. Dan also oversaw all Phase II ESA work which included geophysical surveys, utility locating, soil borings, groundwater monitoring well installations and associated soil and groundwater sampling. Dan also completed developing remedial estimates for sites where contamination was identified.

US EPA Brownfield Assessment Grant, Phase I & II ESAs—Rochester, NY

Dan served as the project manager for over a dozen Phase I and II ESAs completed for the City of Rochester NY. These projects were funded by the US EPA Brownfield Assessment Grant. These projects included manufacturing facilities, former dry cleaners, former gas stations, areas of landfilling and other former uses of concern. Dan completed site eligibility forms and Quality Assurance Project Plans for submission by the City to US EPA. Dan oversaw the Phase I ESAs and conducted final QA/QC reviews for the reports. Dan also oversaw all Phase II ESA work which included geophysical surveys, utility locating, soil borings, groundwater monitoring well installations and associated soil and groundwater sampling. Dan also completed developing remedial estimates for sites where contamination was identified.

Shenandoah County: US EPA Brownfield Assessment Grant—Shenandoah County, Virginia

Dan serves as the Principal-in-Charge for this US EPA Brownfield Assessment Grant Project. This project is funded through a $600,000 USEPA Grant and is currently underway. Shenandoah County is in a rural location in southern Virginia and consists of numerous small towns and cities. LaBella is completing the Site Inventory and Public Engagement

phase currently and is also assembling submissions to US EPA for conducting Phase I ESAs and Phase II ESAs at sites identified as priority sites by the County and through the public engagement activities. Dan has conducted final Quality Assurance/Quality Control reviews of the Quality Management Plan and Quality Assurance Project Plan for the project. This project is anticipated to be completed in 2026.

US EPA Cleanup Grant, Former Photech Imaging Facility Remediation—Rochester, NY

Dan served as the Project Engineer to conduct the demolition and remediation of a 12.5 acre photographic film manufacturing facility. In addition to working through the New York State Regulatory program, Dan also led the efforts to complete an Analysis of Brownfield Cleanup Alternatives (ABCA) for obtaining US EPA Grant funding to conduct a portion of the cleanup work. The US EPA approved the ABCA and provided $200,000 grant for a potion of the remediation. The work also utilized approximately $4.5 Million in New York State funding to complete asbestos abatement, demolition and removal and disposal of impacted soil and groundwater. In addition an area of groundwater was treated with in-situ by placing a chemical reducing agent to immobilize metal impacts in bedrock groundwater. This project was completed and approved by US EPA and NYSDEC and the property has since been subdivided and redeveloped into light industrial facilities.

PFAS Projects

PFAS Investigation at Former Landfill—Orleans County, NY

Dan managed a project to assess a former landfill in Orleans County, NY for Per- and Polyfluoroalkyl Substances (PFAS). Due to concerns with the landfill closure (1980s), the NYSDEC required sampling of nearby residential drinking water wells and an assessment of the soil and groundwater at the landfill. Dan coordinated an assessment of drinking water wells in proximity of the landfill. Municipal water serviced a majority of the area but four residences still utilized private wells. Dan coordinated sampling with the NYSDOH, NYSDEC, Orleans County DOH and the property owners. In addition, Dan managed soil and groundwater sampling within and around the landfill to assess for PFAS sources.

Town of Palmyra: PFAS Investigation at Former Landfill—Palmyra, NY

Dan currently is managing a project to assess a former landfill in Palmyra, NY for Per and Polyfluoroalkyl Substances (PFAS). The landfill was closed in the late 1970s. NYSDEC conducted an initial testing program and identified elevated levels of PFAS in groundwater. Dan has been working with the Town to evaluate nearby residences for private wells and public water availability. Dan is also managing an assessment of the landfill history and subsequent to completing that assessment a detailed investigation will be completed to determine any remedial actions required.

PFAS at Brownfield Sites—Various Locations, NY

The NYSDEC is currently undergoing a statewide assessment of Per- and Polyfluoroalkyl Substances (PFAS) in groundwater. As part of that assessment NYSDEC has been requesting that active and former brownfield sites be assessed for PFAS across the State of New York. This program resulted in numerous old and active remedial sites being further investigated. Dan was the project manager for over 15 brownfield sites in NY where such testing was requested. Dan negotiated the details of the sampling and managed/coordinated the field activities and reporting. In addition to PFAS NYSDEC also required conducting emerging contaminant testing for 1,4-Dioxane.

Former Rock Quarry Water Sampling—Cortland, NY

Dan coordinated a project to characterize quarry water as part of a larger construction project. The former quarry filled with water after operations ceased. A large natural gas pipeline was being installed near the quarry and required ballast water for the pipeline installation. Dan coordinated the approvals for baseline sampling of the water through the Town of Cortland who owned the quarry. The sampling included contaminants of concern including Per and Polyfluoroalkyl Substances (PFAS). Dan negotiated the sampling requirements/scope and coordinated implementation with internally and with the natural gas company, Town and contractor. The sampling included baseline and post discharge of the ballast water to confirm there was no impact to the water since the Town was exploring possible future uses of the quarry.

Maine Department of Environmental Protection: PFAS Risk Assessment Work Plans—Maine

Dan served as the Project Manager for reviewing a Human Health Risk Assessment Work Plan and an Ecological Risk Assessment Work Plan for the former Loring Air Force

Base. The United States Air Force and their consultant developed the Risk Assessment Work Plans for review by US EPA and Maine DEP. Maine DEP retained LaBella to conduct a review of the work plans and provide comments. The Loring AFB operated for about 50 years and included three landfills, maintenance areas, a fire training area, multiple crash site and other sources of environmental impacts. The site was previously investigated for various contaminants but had not been assessed for per- and poly-fluoroalkyl substances (PFAS).

Wastewater Projects

City of Hornell—Wastewater Plant Aeration Basin Upgrades

Dan was the project manager for assessing and implementing replacements for the aeration basin aerators. The City's aeration basins had not been upgraded in almost 30 years and the aging equipment was past its useful life. Dan worked with the City to assess potential replacement equipment and coordinated a performance contract approach to complete the aeration equipment upgrades. Dan worked closely with the chief operator to assess the preferred equipment in order to make sure that the equipment would not only meet the process/ treatment requirements but to take into account the long-term maintenance and operations for a facility that will utilize the equipment for the next 30 years. Dan and the LaBella team assessed numerous types of aeration equipment and assisted with selection of the equipment. Dan also worked with the City to conduct construction administration activities to ensure a successful completion of the project.

City of Hornell—Wastewater Plant Phosphorus Removal Program

Dan was the project manager to assist the City of Hornell with completing the New York State mandated actions for removal of phosphorus from the wastewater. Initially, Dan worked with the City of Hornell to evaluate potential chemicals for use in removing phosphorus. Dan coordinated bench-scale studies with chemical suppliers to assess performance and cost of the chemicals. Based on the bench-scale studies a pilot-test was developed and proposed to NYSDEC. The pilot test was approved and implemented and the results were utilized to design and bid for construction a new chemical feed building. The design included a pre-fabricated building to house the chemicals and associated equipment (chemical feed pumps, day tank, piping, and controls). Dan also worked with the City to bid the project in such a way that the City could self-perform some of the construction work and reduce the overall cost of the project. The project was successful in utilizing alum in reducing the WPCP effluent phosphorus concentration to one (1) mg/l to meet new limits in the State Pollution Discharge Elimination System (SPDES) permit.

City of Hornell—Wastewater Plant Filter Building and Drive Upgrades

Dan worked with the City to apply for funding to complete upgrades to aging equipment. The drives providing mixing for numerous tanks were over 30 years old and beyond their useful life. Dan worked with the City to obtain the information on the aging drives and coordinate with replacement of similar equipment. Dan coordinated with the City to assess the sequencing of drive replacements to ensure that the plant processes would be maintained throughout the construction work so that effluent limits would be met. This project also included replacing filter blocks on the sand filter equipment. Similar to the drives, the filter building had not been upgraded in over 30 years and the blocks required replacement. Dan led the project to provide design drawings, bid specs and work with the City to bid and award the project. Dan also further assisted the City with the construction administration services.

Arconic: Firth Rixson Wastewater Pre-Treatment System—Rochester, NY

Dan assisted with the engineering evaluation, design, and construction phase services to address sewer use permit limit exceedances in an industrial wastewater discharge to a municipal sewer system. The evaluation consisted of sampling and hydraulic data to assess contaminant sources within the facility and associated loadings. This included an evaluation of the pump stations within the facility initially in order to determine the highest sources and evaluate treatment technologies. Dan assisted with assessing the data obtained and providing a feasibility study on options and associated cost. Ultimately an oil water separator was selected to reduce concentrations of oil and grease, zinc, nickel, and ammonia.

Village of Webster: WWTP Evaluation—Webster, NY

Dan assisted with a comprehensive engineering evaluation of the existing WWTP, including septage receiving, preliminary treatment, pre-aeration and primary clarification,

phosphorus removal chemical feed, trickling filter and pump station, final clarification, anaerobic digestion, centrifuge dewatering and sludge drying beds. The evaluation assessed multiple alternatives for the facility, including potential conversion of existing WWTP into a pump station and conceptual alignments for sewer and force main infrastructure to convey wastewater to neighboring POTWs.

Enbridge (Spectra Energy, LP): Gas Pipeline Characterization Work—Various Locations

Dan has worked with Enbridge to coordinate/oversee a program that characterizes natural gas piping that has been removed from service. Dan managed the program to characterized the exterior coating of piping (PCBs and asbestos) as well as the piping interior (PCBs). This work has included the characterization of over 25 miles of line piping and numerous pieces of compressor station equipment and associated piping over various projects in the northeast. The work was completed in accordance with applicable Federal regulations (e.g., 40 CFR 761) and state regulations depending on the project site (included New York, Massachusetts, Connecticut, Rhode Island and Pennsylvania).

Enbridge (Spectra Energy, LP): Wastewater Characterization Work—Various Locations, NY

Dan was the project manager for the characterization of ballast water used as part of a 1-mile horizontal drilling program to install 42-inch diameter natural gas piping beneath the Hudson River. Dan coordinated with the regulatory agencies to develop the required sampling program and oversaw the collection and analysis for the sampling of approximately 500,000 gallons of ballast water. Based on the sampling completed a treatment system was developed and the water was directly discharged to surface water. LaBella completed this work in a very short timeframe based on the Client's request in order to accommodate the construction schedule.

Enbridge (Spectra Energy, LP): Radiological Characterization Work

Dan has worked with Enbridge to complete the characterization of suspect radiological materials. Specifically, Dan has worked with Enbridge to complete the necessary sampling of natural gas equipment that has been removed from service. LaBella coordinated/completed radiological surveys (alpha, beta and gamma) in order to preliminarily characterize the material. LaBella also coordinated/completed the collection of samples and analysis (through a 3rd party laboratory) for waste characterization purposes of materials that warranted such testing. This sampling included gamma spec analysis and other parameters as needed for the disposal facility.

LMC Industrial Contractors: Gas Pipeline Reclamation Facility

Dan has partnered with LMC Industrial Contractors in order to design and permit a facility that specializes in the recycling of natural gas piping that contains an asbestos coating. LaBella worked with LMC to design the facility and obtained the necessary New York State permits (air permit) and local permits (wastewater discharge). LaBella also oversees the program that completes the waste characterization of the piping for PCBs (exterior coating and interior) and asbestos (exterior coating). The facility has led to the reclamation of steel that may otherwise have been disposed of in landfills or transported at significant expense to facilities in Texas or elsewhere. The facility has taken piping from project sites in New York, Massachusetts, Connecticut, Rhode Island and Pennsylvania.

Confidential Utility Client: SPCC Program—Various Locations, NY

Dan worked with a private utility client in order to develop a program to complete Spill Prevention, Control and Countermeasure (SPCC) Plans for approximately 600 electrical substations in New York State. Dan organized the program and led a team of over forty staff members to complete the inspection of each facility and develop an SPCC Plan for each facility in order to keep the facilities in compliance with Federal Regulations. The project included making recommendations for identifying areas of compliance issues. Dan worked with the Client on a second phase to implement recommendations at approximately 200 facilities across New York State to ensure compliance with regulations. The recommendations included modifications to routine monitoring and where necessary additional secondary containment.

Repsol (Talisman Energy): Groundwater Protection Program—Northern PA

Dan has managed the assessment of groundwater monitoring to assess for the potential of stray gas issues in the Marcellus Shale area of Northern Pennsylvania. The sampling work

includes completion of pre-drill sampling to establish baseline conditions of groundwater for wells within a certain distance from drilling operations prior to the operations occurring. This information is utilized when there is a complaint subsequent to drilling operations in order to evaluate for the potential for stray gas issues related to gas fracturing projects per the Pennsylvania Department of Environmental Protection (PADEP) regulations and additional requirements by the Client. The work included assessing the areas around drilling sites to establish potential potable water sources, contacting of residences to confirm potable water sources and then conducting pre-drill sampling for potential contaminants and gases in the potable water that exist prior to drilling operations to confirm baseline conditions. In the event of a complaint, post-drilling samples were collected and compared to pre-drill sampling to determine differences and potential issues. Dan also assisted with assessing potable water sampling information in order to evaluate and recommend potential treatment systems to address issues identified.

NYS Department of Transportation: Hazardous Materials Assessment & Remediation Term—DOT Regions 3, 4, 5, & 6, NY

Dan manages a NYSDOT Term Agreement for Hazardous Materials Assessment & Remediation for Regions 3, 4, 5, & 6. This agreement includes a variety of services to support the NYSDOT for all manner of construction projects and for property acquisition. The work includes Phase I & II Environmental Site Assessments to support property acquisitions and/or to pre-characterize soil and groundwater prior to construction in a NYSDOT corridor. Dan also has assisted the NYSDOT with waste characterization of soil, spent paint, and wastewater. In addition, NYSDOT has utilized LaBella for community air monitoring during construction work at impacted properties and to complete radiological screening for areas where radioactive slag has been a concern.

City of Rochester: Former Emerson Street Landfill Redevelopment—Rochester, NY

Dan has assisted the City of Rochester since 2010 with managing environmental legacy issues at this 250-acre former ash and municipal landfill. Dan has worked with the City to conduct environmental investigations at over 45 different parcels across the landfill and identify properties/buildings that require mitigation measures. Dan has assisted with redevelopment activities at 9 different properties that consisted of pre-construction soil and waste characterization to assist with planning and cost estimating activities, developing waste management and environmental monitoring plans, obtaining regulatory approvals and implementing these plans during construction activities. This work has assisted with the development of industrial/commercial developments and a 6-acre solar array. The solar array development also included utilizing a Beneficial Use Determination, site plans, geotechnical assessment and delisting the property from the NYSDEC list of inactive hazardous waste disposal sites.

Alternate description below:

Dan was the Project Manager and Lead Design Engineer assisting the City of Rochester since 2010 with managing environmental legacy issues at this 250-acre former ash and municipal landfill. Dan has worked with the City to conduct environmental investigations at over 45 different parcels across the landfill and identify properties/buildings that require mitigation measures due to soil vapor intrusion. The investigation resulted in the design and installation of sub-slab depressurization systems for two buildings at the site. Dan then assisted the City with the delineation of a significant chlorinated solvent plume emanating from a portion of the former landfill. The solvent plume is over 3 acres in size and extends almost 50-ft. below grade. Subsequent to completing the investigation, Dan completed a Feasibility Study to assess remedial options and associated cost. The selected remedy was agreed to by NYSDEC and a Remedial Action Work Plan was approved and implemented in 2021. The remedy included the design and construction of a Permeable Reactive Barrier utilizing zero-valent iron. The remedy included drilling 80 pilot holes 15 ft. into bedrock and completing blasting of the bedrock in order to create a highly permeable blast enhanced bedrock zone which was used to uniformly distribute over 430,000 lbs of zero-valent iron. The iron was injected through bedrock wells and direct injection within the shallow bedrock. The final remedial work included the construction of a 12.5 acre site cover system.

NYSDEC Petroleum Spill Investigation and Remediation Projects

Alexander Associates: Former Genesee Hospital—Rochester, NY

Dan was Project Manager for a Phase II ESA of a former hospital campus and adjoining parking garage. This assessment included evaluating potential impacts from the hospital chemical storage area, backup generators and associated fuel tanks, and historical site uses which included a former car dealership and service center. The Phase II ESA progressed in to the remediation of a NYSDEC Spill prior to redevelopment of the property. The investigation and remediation work obtained closure of a 20+ year old spill in less than 6 months.

DeCarolis Truck Rental: Petroleum Spill Site Remediation—Rochester, NY

Dan was Project Engineer for this site, responsible for the coordination of the removal/ disposal of approximately 800 tons of petroleum impacted soil and development of a confirmatory soil sampling program. Dan also coordinated work with NYSDEC and completed post removal monitoring in order to close the spill file.

City of Rochester: Petroleum Soil Removal & Oxygen Injection System—Rochester, NY

As Project Engineer, Dan developed a soil and groundwater study to investigate former underground storage tanks at a former gasoline/ auto repair facility. A remedial alternatives analysis was conducted to evaluate several options for remediating soil and groundwater at the site including light non-aqueous phase liquid. Dan followed this project through remediation which consisted of removing about 1,500 cy of soil and designing/installing an oxygen injection system to remediate groundwater over time.

Hoselton: Petroleum Spill Remediation—Rochester, NY

Dan was Project Manager for this project which included the removal and disposal of approximately 900 tons of petroleum impacted soil. Dan negotiated closure of the spill file with NYSDEC by addressing off-site contaminant migration by injection of treatment chemicals at the property line.

Permitting & Land Application Sites Mizkan Americas: Lagoon Design/Construction and SPDES Permitting—Lyndonville, NY

Dan served as the Project Manager and Engineer for the design and construction assistance for a 700,000 gallon lagoon to store food-grade wastewater. The objective was to reduce facility costs by discharge of food-grade wastewater to local sprayfields. The lagoon was designed and installed in accordance with NYSDEC requirements in order to store wastewater during the non-spraying season. This is a 20+ year old client who built their existing lagoon with LaBella's assistance in 1987. Project also includes permitting through NYSDEC SPDES (State Pollution Discharge Elimination System) Program.

Leo Dickson and Sons, Inc.: Land Application and Composting Permits—Bath, NY

Dan managed a project to permit a facility for composting of wastewater biosolids. The project included developing a report for NYSDEC to document design details for the facility, facility operations, and proposed monitoring. The facility received a NYSDEC Part 360 Composting Permit. In addition, Dan continues to provide annual reporting services for ensuring the facility operates within the permit conditions. He also assists this client with the annual reporting and permit renewals of a 2,000+ acre land application project under NYSDEC Part 360 solid waste regulations. The land application work includes permitting approximately 16 municipal facilities for land application.

City of Hornell: Land Application Reporting, Permit Renewals and Modifications—Hornell, NY

Project Manager and Engineer responsible for assisting the City of Hornell with their annual Land Application Reporting, permit renewals and modifications to their permit for over 20 years. In addition to completing each annual report in the past five years, LaBella also recently assisted the City of Hornell with their Permit Renewal (May 2010) and a Permit Modification (July 2011). LaBella has assisted the City of Hornell for the past 20 years with permitting approximately 498 acres of land for their biosolids application work. Hornell conducts land applications via subsurface injection and typically applies 700,000 to 1 Million gallons annually. LaBella assisted Hornell with permitting approximately 204 acres of land. LaBella assisted with all aspects of the process including coordinating with agencies, wetland issues, test pitting, soil sampling, etc. LaBella's work with the City of Hornell has provided us with significant experience in quickly determining issues that require resolution/clarification as a first step prior to completing the application process.

Miscellaneous Projects

L Enterprises, LLC: Former Emerson Power Transmission Facility—Ithaca, NY

Dan completed a detailed review of this 100-acre site with 800,000 sq. ft. of manufacturing space. The site is in the NYSDEC Inactive Hazardous Waste Disposal Site registry and was a heavy industrial facility for over 100 years. The facility closed in 2009 and Dan is the Project Manager for environmental due diligence activities for a potential buyer. The facility has known issues with chlorinated solvents in bedrock and with significant off-site impacts. The overall project will include a detailed and in-depth environmental site assessment with sampling for soil, bedrock, groundwater, soil gas, sediments, and surface waters in order to document any impacts above NYSDEC criteria and thus limit liability for the purchaser.

Guthrie Clinic and Reidman Companies: Former Corning Hospital—Corning, NY

Dan was the Project Manager for completion of a Phase II Environmental Site Assessment at the Former Corning Hospital and 8 associated adjacent properties. A soil boring and groundwater monitoring program was implemented to identify subsurface impacts associated with former uses of the site including gasoline filling stations and former railroad.

City of Rochester: Genesee River Dredging Project—Rochester, NY

Dan managed a project to permit three areas for dredging near the mouth of the Genesee River. The project included evaluating the previous dredging operations in the area, the existing sediment sampling data, sediment levels, discharge points in the area to be dredged and 3-D modeling of the sediments for accurate volume calculations. This information was summarized in a presentation to NYSDEC and the Army Corp of Engineers in order to streamline the permitting process and determine any additional requirements for obtaining a permit. Subsequent to the presentation, Dan developed the permit and submitted them to the client for signature, and then approval by regulatory agencies.

MRB Group: Sediment Sampling Project—Erie Canal, NY

Dan managed a project to pre-characterize sediment in the Erie Canal in order to determine the depth and volume of sediment in the work area, as well as the waste disposal requirements. This work was conducted prior to a utility line installation project in order to determine the feasibility of the project and the associated costs.

Dansville Properties, Inc.: Former Foster Wheeler Facility—Dansville, NY

Dan managed the effort to close out existing NYSDEC and EPA permits for the former facility and subsequently obtained permits for the new facility, which included multiple industrial companies operating throughout the campus. The permitting effort included obtaining a sewer use permit from the local municipality, a SPDES Multi-Sector General Permit for 5 outfalls, RCRA Generator ID, Title V Air Permit, and PBS Registration. Dan has managed this client's permits for more than 10 years, including permit modifications, renewals, and routine sampling.

Buckingham Properties: Manufacturing Facility—Rochester, NY

Dan assisted a developer that purchased a former Bausch & Lomb manufacturing facility to obtain a SPDES Permit for Industrial Discharges. This project included assessing the new operations and discussion of the site with NYSDEC to determine the appropriate permits for the facility, since multiple tenants with various operations were in operation at the site.

City of Rochester: Port Marina—Rochester, NY

Dan assisted with the environmental investigation of the City of Rochester Port Marina. This project included evaluating the extent of slag fill materials that would require proper management during any redevelopment work. The extent of slag was evaluated by implementing a grid pattern of soil borings and using the resulting data to develop a 3-dimensional model of the subsurface at the site. This model was used to generate volumes of material to be disturbed during redevelopment and estimate the cost burden of the environmental portion of the project. The slag fill material was reused through a beneficial use determination. This project also included evaluating the magnitude and permitting of a massive dewatering program to allow the mass excavation to be completed.

City of Rochester: Former Forestry Building—Rochester, NY

Dan managed a project to evaluate the extent of mercury impacts at a former City of Rochester Forestry operations building. The project included multiple rounds of sampling

at various depths in order to determine the extent of mercury impacted soils that required removal prior to redevelopment of the site by a local manufacturing company.

Valeo North America: Former Valeo Facility—Rochester, NY

Dan managed Remedial Investigations of two areas of potential contamination at this former manufacturing facility. These assessments included evaluating bedrock groundwater for plating waste impacts (metals and chlorinated solvents). These evaluations were complicated by the fact that multiple industrial companies were in operation at the site in the past and thus requiring LaBella to provide a focused assessment to only evaluate potential Valeo responsibilities.

City of Rochester: NYSDEC Legacy Site Soil Vapor Intrusion Project—Rochester, NY

Dan is Project Manager for this project which includes evaluating soil vapor intrusion from a former 230-acre municipal landfill with methane gas and chlorinated solvent impacts. The landfill was converted into an industrial park after closure in 1971 and is now developed with 45 separate parcels and over 2,000,000 square feet of building space. This challenging project included obtaining access from 27 different property owners and conducting site assessments at each facility and separately evaluating groundwater impacts over approximately 20-acre area. The results of this work determined the cost burden and liability of the City for addressing soil vapor intrusion. LaBella utilized all of the following mitigation approaches for minimizing this significant cost burden to the City: sealing of floors, vapor barriers, sub-slab depressurization systems and building pressurization depending on building conditions/uses.

City of Rochester: Vacuum Oil Brownfield Opportunity Area—Rochester, NY

Dan was Project Engineer for this project and his role was to develop a Pre-Nomination Study Report to facilitate entering the area into the NYSDEC Brownfield Opportunity Area program. The pre-nomination study included evaluating demographics of the area, current and past property uses, property ownership, area-wide utilities, etc. The pre-nomination report was approved by NYS Department of State and a grant was approved for the next phase of the BOA program.

Yates County: Environmental Restoration Program—Penn Yan, NY

Dan was Project Manager for this Environmental Restoration Program site that included completing a Remedial Investigation at the site and developing a Site Management Plan to guide future redevelopment in-conjunction with remediation. This project turned a liability into an asset for the County.

City of Rochester: Fill Relocation and Sub-Slab Mitigation System—Rochester, NY

Dan was Project Manager for this project which relocated approximately 3,000 cubic yards of fill material from a development site that is located on a former landfill operated by the City of Rochester. This work was conducted for the City but on private property. The fill was relocated and placed in a soil berm on City property with NYSDEC approval. In addition, Dan designed and oversaw construction of a sub-slab depressurization system for the new 8,000 square foot building.

Monroe County: Crime Lab Property Acquisition—Rochester, NY

Dan was Project Manager for this project which included conducting Phase I ESAs and Phase II ESAs at three properties being considered for development by the County for a new crime lab facility. The project included investigation and remedial cost estimates for the County to use in property acquisition negotiations. After property selection, Dan assisted with implementation of a remedial program that included removal of over 3,000 tons of NYSDEC Regulated Solid Waste. In addition, he designed and oversaw installation of a sub-slab depressurization system for addressing soil vapor intrusion concerns at the approximate 11,000 square foot new building.

City of Rochester: Bureau of Water, Lighting, and Parking Meter Operations—Rochester, NY

As Environmental Engineer, Dan worked on the redevelopment of the current site for reuse as a new facility for the operations center, which included the following tasks: delineate the extent of soil and groundwater contamination, evaluate potential remediation options, develop a Comprehensive Action Plan (CAP), assist in the development of remediation specifications, and identify the scope of potential Interim Remedial Measures (IRMs) at the site.

935 West Broad Street Petroleum Spill Site Characterization and Corrective Action—Rochester, NY

As Project Engineer, Dan developed a soil and groundwater study to investigate former underground storage tanks at a former gasoline/ auto repair facility. A remedial alternatives analysis was conducted to evaluate several options for remediating soil and groundwater at the site including light non-aqueous phase liquid. Dan followed this project through remediation which consisted of removing about 1,500 cy of soil and installing an oxygen injection system to remediate groundwater over time.

Petroleum Spill Investigation & Remediation—300 Scajaquada Expressway, Buffalo, NY

Dan was Project Manager for a Phase II Environmental Site Assessment that was completed to assess a former manufacturing facility that also included a reported underground storage tank (UST). The Phase II ESA identified an orphan UST with associated petroleum related impacts to soil and groundwater. In addition, the Phase II ESA identified fill material including industrial byproducts consisting of ash, cinders, slag, etc. Based on the petroleum impacts identified the NYSDEC was contacted a Spill File was opened for the parcel. Subsequent to completing the Phase II ESA, LaBella assisted the client with estimating the cost of remediating the site in order to facilitate the real estate transaction that was pending for the property. LaBella was also retained to complete the remedial work which consisted of excavation and disposal of petroleum impacted soils and removal of the orphan UST. The work was completed on-time and within budget, which allowed the NYSDEC Spill File to be closed and the real estate transaction to be completed.

Village of Mamaroneck: Former Taylor's Lane Composting, Landfill Monitoring—Mamaroneck, NY

LaBella assist the Village of Mamaroneck with annual monitoring of a formal landfill. Dan is the Engineer of Record for recent modifications to the Site Management Plan. The Site Management Plan identifies the required institutional and engineering controls for the site and also the routine monitoring of the site. The engineering controls at this site include a low permeability cap over the former landfill, security fencing, and a stormwater/ leachate management system. The monitoring includes annual inspections of the engineering controls and annual groundwater monitoring.

New York Power Authority (NYPA): East Garden City Substation, Phase I Environmental Site Assessment (ESA)—Garden City, NY

Dan is the Principal-In-Charge on this ongoing Phase I ESA project in Garden City, NY. He is responsible for overseeing the project from start to finish.

City of Rochester: REJob Training Program—Rochester, NY

Dan has over 27 years of experience conducting environmental investigation and remediation projects throughout New York State, and specifically in the Rochester area. Dan is the Lead Engineer for LaBella Associates for work in Western, Central and Finger Lakes regions of New York. Dan has presented investigation and remediation work to the REJob Program.

US EPA Grant Funded Work

Dan has worked on numerous EPA funded projects for different clients. This work included conducting investigation and remediation projects at gas stations, dry cleaners, former industrial properties, and railroad yards. Dan has managed all aspects of these projects including developing Remedial Investigation Work Plans, Quality Assurance Project Plans, Analysis of Brownfield Cleanup Alternatives and Final Engineers Reports. Through this experience, Dan has a firm understanding of the EPA requirements for planning and implementing investigation and cleanup projects funded by the EPA.

Republic Steel: NPDES & 40 CFR 112.7 Compliance—Lorain & Canton, Ohio

Dan led a project to assist an industrial client with updating compliance plans for two steel manufacturing facilities in Ohio (Lorain & Canton). The Lorain facility was dormant; however, the facility still had an active NPDES Permit and had a release of oil to a surface water (prior to LaBella being retained). Due to the surface water release the facility was under a Consent Order with US EPA. The US EPA Consent Order (with Ohio EPA involvement) required updating of the SWPP Plan for both the vacant Lorain facility and the active manufacturing facility in Canton, Ohio. In addition to numerous outfalls at each facility which necessitated the NPDES Permits, both facilities also had large quantities of oil storage and thus required SPCC Plans. LaBella was retained to update both facilities SWPP Plans and SPCC Plans for review by US EPA and Ohio EPA. LaBella completed a review of existing plans, completed site visits and updated the plans for review by regulatory agencies.

Ebenezer Plaza II: BCP Site Remediation—Brooklyn, NY

Dan was the engineer of record for the design and construction of remedial systems at a Brownfield Cleanup Program Site in Brooklyn, NY. The remediation work consisted of a source area soil removal, in-situ chemical injections and a sub-slab depressurization system (SSDS). The soil removal was completed in-conjunction with the site development work in order to minimize excavation and dewatering costs. Subsequent to soil removal an injection well network was designed for treating residual impacts via in-situ chemical oxidation. The future site use will be residential and an SSDS was designed and installed as a precautionary measure in order to mitigate potential exposure due to vapor intrusion. This project is on-going and planned to receive a Certificate of Completion in 2023.

Confidential Client: Bradford Dam Dredging—Bradford, NY

Dan was the Engineer of Record for completing a sediment sampling, permitting, and dredging project to complete maintenance at the Bradford Dam. The project included conducting a bathymetric survey, sediment sampling plan (approved by NYSDEC), sediment sampling, sampling report and a permit application to NYSDEC and USACE for permitting the work. The project included completing a bid package to contractors, bid evaluation, and overseeing dredging operations and a closeout report. Dan also managed submitting for and obtaining a beneficial use determination to NYSDEC for reuse of the sediments rather than disposal.

City of Rochester: Rundel Raceway Dredging—Rochester, NY

Dan was Project Manager of this unique sediment removal project. The raceway provides non-contact cooling water to a City of Rochester Library and required permitting for sediment removal. Dan applied for and received a beneficial use determination to reuse the sediment as part of another City of Rochester project which saved the City approximately $135,000.

BRICE LYNCH

Project Manager, Geologist

Brice is a Project Manager and Geologist in the Due Dilligence/ Investigation & Remediation group and is responsible for field team coordination and project management of several NYS Brownfield Cleanup Program sites in the New York City metropolitan area. Brice has over fifteen years of experience performing Phase I and Phase II environmental assessments, groundwater, soil and air sampling, remediation/contruction oversight in New York State.

PG
Professional Geologist, NY

EDUCATION
Stony Brook University: BS, Geology

CERTIFICATIONS
OSHA 40-Hour Hazwoper

American Red Cross CPR/First Aid/AED First Responder

Conifer Realty: Warburton Dry Cleaners Site - Yonkers, NY

LaBella is providing services for the remediation of the Warburton Dry Cleaners site, a 1.166-acre property comprised of 15 parcels in a mixed residential and commercial area of Yonkers, New York. Prior uses of the site have included residential housing and commercial auto repair. Adjacent properties include two former dry cleaners. The site is being remediated within the New York State Brownfield Cleanup Program to support the development of a 94-unit affordable housing project. Contaminated historic fill material (CHFM) is present to depths of up to 8 feet below ground surface (ft bgs) across the site, as well as several high-concentration lead areas containing hazardous lead to a depth of 10 ft bgs in some areas of the site. Brice is the project manager responsible for managing and implementing multiple technical phases of the program. Brice implemented the Remedial Action Work Plan (RAWP) and supporting work plans, including the Community Air Monitoring Plan, XRF Meter Plan, and Soil Management Plan. As part of the Groundwater Treatment Pre-Design, he implemented the PRB Design Work Plan. Throughout Remedial Implementation, Brice was the Project Manager responsible for day-to-day support in field operations including excavation oversight, UST closures, and backfill import verification. He maintained documentation systems (field logs, photo records, inspection reports) supporting preparation of the Final Engineering Report (FER).

Harris Howard LLC: American Drive-In Cleaners - Dry Cleaners Superfund Site

This active remediation site addresses chlorinated-solvent contamination from historical dry-cleaning operations that released tetrachloroethylene (PCE) and degradation products into soil, groundwater, and vapor. Under the NYS Superfund Program, the project advanced the design of an Interim Remedial Measure (IRM) targeting both chlorinated volatile organic compounds (CVOCs) and PFAS. The pre-design investigation required a detailed review of nearly two decades of prior data and coordination among regulators, consultants, and analytical laboratories. Brice is the project manager responsible for implementing the

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Powered by partnership.

Pre-Design Investigation Work Plan, which completed source-area delineation and informed the IRM design. He utilized historic investigation data dating to 2005 to identify data gaps, prioritize investigation areas, and refine a phased approach involving geophysical surveys, sub-slab vapor sampling, and confirmatory soil and groundwater testing. Brice will be implementing the full technical work plan in accordance with NYSDEC DER-10 and NYCRR standards and coordinate with senior engineers to define the evaluation scope for a vapor-extraction system supporting long-term remediation.

MM Newtown LLC: Green Asphalt Facility Environmental Services

The project site, located along the Newtown Creek Superfund corridor, operates as a recycled-asphalt production facility on land with a legacy of oil refining and industrial activity dating back to the 1960s. The investigation was undertaken to support a NYSDEC Bulkhead Permit and to evaluate potential cross-boundary contamination between adjacent State Brownfield and Superfund properties. The site's active industrial nature demanded intricate coordination of safety, logistics, and data-collection efforts under overlapping federal and state oversight. Brice was the project manager responsible for authoring the Site Characterization Work Plan and leading its implementation. He integrated NYSDEC guidance with site-specific constraints, conducted site visits to evaluate access and health-and-safety considerations, and synthesized extensive historical environmental datasets to identify contamination trends.

Brownfield Cleanup Programs—Bronx, NY*

Brice conducted groundwater and soil sampling events at multiple brownfield sites in the Bronx. Oversight of hazardous waste mass excavations at brownfield sites. He managed an In Situ Chemical Oxidation injection program to treat a local chlorinated solvent plume with potassium permaganate. Responsible for implementing the CAMP for the entire site. Developed the Final Engineering Report and Soil Management Plan for the brownfield sites.

Steel Equities: Vertical Profile Boring Installation—Leviton, NY*

Health and Safety Officer for remedial investigation. Performed oversight of mud rotary drilling, soil sampling, and logging.

Beckton Dickenson—East Rutherford, NJ*

Brice was the Field Team Leader for Becton Dickinson Industrial Site Recovery Act project. Prepared and conducted groundwater-sampling events. Prepared groundwater monitoring and natural attenuation reports.

BICC—New Brunswick, NJ*

Field Team Leader for groundwater, indoor air, soil vapor, and soil sampling events. Mud rotary, air rotary bedrock coring, Flexible Liner Underground Technologies (FLUTe) Activated Carbon Technique (FACT) liner installation oversight, and sampling. Assisted with the development of a large-scale bioremediation project to treat an off-site chlorinated solvent plume. Analyzed data and developed strategy to optimize bio-augmentation to decrease chemicals of concern.

Genesco—Garden City Park, NY*

Field Team Leader for groundwater sampling event at superfund site. Brice developed a sampling schedule, prepared and executed all field activities, and communicated effectively and efficiently with project managers and field staff.

Northwell Health—Lake Succes, NY*

Brice conducted soil sampling for an active superfund site. He managed CAMP and soil stockpiles to be transported off-site.

Ultraflex—Brooklyn, NY*

Brice conducted interior soil borings throughout an active printing facility. Installed sub slab vapor points; collected sub slab and indoor air samples. Installed temporary monitoring wells and collected groundwater samples. He collected active and passive indoor air samples for OSHA compliance.

Borinquen Court—Bronx, NY*

Installed temporary monitoring wells for an injection program at a brownfield site in the south Bronx in order to reduce soil and groundwater contamination on-site. Responsible for implementing the CAMP for the entire site. Conducted groundwater-sampling events in order to analyze effectiveness of the injection program.

Bluestone Organization—Jamaica, NY*

Brice conducted groundwater and soil sampling events. Oversight of hazardous waste mass excavation at a brownfield site. Managed the removal of a UST that leaked and delineated the impacted soil. Brice collected endpoint samples to verify spill

**Completed under previous employer.*

closure. He was responsible for implementing the CAMP for the entire site. Developed the Final Engineering Report and Soil Management Plan for the site.

Northrop Grumman—Bethpage, NY*

Field Team Leader for a hydrualic effectiveness project at a superfund site. Contaminants of concern at the site included chlorinated volatile organic compounds. Installed monitoring wells and collected groundwater samples. Installed vertical profiles, collected groundwater samples, and logged the soils throughout the site. With the soil and groundwater data, composed geologic cross sections with the soil classification data and analytical results and discussed findings in the remedial investigation report.

Town of Hempstead—Hempstead, NY*

Remediation system operation and maintenance, groundwater and air sampling.

EDUCATION

Universidad de las Américas, Quito- Ecuador: Environmental Engineering en Prevention y Remediation

WILSON CORELLA

Environmental Engineer *(Fluent in Spanish)*

Wilson is part of LaBella's environmental division and has experience in environmental consulting, management and compliance. He is skilled in leading Phase II investigations and implementing, RIWPs, RAWPs, and SMPs, and writing above referenced workplans, as well as FERs to ensure effective and sustainable site redevelopment. He has the ability to manage complex projects from investigatio, coordinating with regulatory agencies, stakeholders, and multidisciplinary teams. He is driven by a passion of learning and highly motivated to tackle environmental challenges with energy and focus.

Private Developer, Affordable Housing, NYS BCP Remedial Action Oversight: Carman Place Site—Hempstead, NY

LaBella supported the transformation of a former commercial property in Hempstead, New York, into a 323,000-square-foot mixed-use development with 228 affordable housing units. Wilson worked in all the remedial phases of the project, from field technician to project coordination, culminating in obtaining the Certificate of Completion. He oversaw soil excavation, demolition, soil sampling and the removal of 11,653 cubic yards of contaminated material, including a 550-gallon UST, ensuring compliance with the RAWP, HASP, and CAMP. He performed community air monitoring, collected samples, documented activities, and contributed to implementing innovative soil management strategies that saved the project millions in disposal costs.

Private Developer, Retail Shopping Center, NYS BCP Site Management Plan Implementation: New City Shopping Center—New City, NY

Wilson manages a NYSDEC-approved SMP for a 1.17-acre portion of a 12-acre New City, NY, shopping plaza, overseeing residual chlorinated solvent controls, site monitoring, and multiple sub-slab depressurization systems (SSDS). Wilson performs groundwater sampling, as well as site cover and SSDS inspections, including overseeing necessary upgrades and repairs. He ensures proper execution of the SMP, prepares the PRRs, and coordinates with NYSDEC.

Private Development, Affordable Housing, NYS BCP Remedial Investigation & Action: Warburton Avenue Apartments—Yonkers, NY

Wilson contributed to the investigation and continues to support remediation of this 1.166-acre, 94-unit redevelopment project. His work included field investigations, waste characterization, remedial oversight, and coordination with NYSDEC and the general contractor. He managed the disposal of approximately 12,000 tons of contaminated soil and 6,800 tons of hazardous soil, oversaw multiple underground storage tank removals, and coordinated the resolution of several DEC spills. Wilson remains involved in ongoing efforts to mitigate groundwater migration and support SSDS design and implementation.

LaBella
Powered by partnership.

Private Development, Affordable Housing, NYS BCP Remedial Action & Site Management Plan Implementation: Ebenezer Plaza 2—Brooklyn, NY

Wilson played a key role in the site's transformation into a 14,000-square-foot mixed-use property comprising 208 residential units and 14,000 square feet of retail space. He supported the final phase of remediation, contributing to the project's Certificate of Completion. He now oversees implementation of the approved Site Management Plan, prepares PRRs, and coordinates with NYSDEC.

Private Development, Affordable Housing, NYS BCP Site Management Plan Implementation: Ebenezer Plaza 1—Brooklyn, NY

Wilson manages a NYSDEC-approved SMP for a 310-unit affordable housing complete with a 40,000 sq ft community center. Wilson oversees groundwater and air sampling, site cover and SSDS inspections, and related system repairs or upgrades. He oversees SMP implementation, prepares PRRs, and coordinates directly with NYSDEC.

Technical Environmental Manager—SICMA ECUADOR*

- Environmental consulting & compliance, working as an external environmental department for various clients in the manufacturing and health sector
- Management of the technical department
  - Monitoring of environmental processes and projects
  - Logistic and technical assistance of department projects
  - Intern selection and activity designation for the technical department
- Technical support on Environmental Impact Studies
- Create, obtain and implement environmental permits, environmental management, and action plans
- Presentation and monitoring of Environmental Compliance Reports and Audits until approval is achieved
- Program and coordination of site sampling of environmental parameters
- Analysis of wastewater, noise, and atmospheric emission monitoring reports
- Technical support in designing and implementing wastewater treatment plants
- Phase I and II assessment and profiling
- Dictation of training seminars and video conferences regarding environmental topics and compliance
- Technical assistance in commercial visits with potential clients
- Social intervention and education of surrounding communities as part of the process of obtaining environmental licenses for clients
- Experience in specialized training seminars
- Interview surrounding population of an industry/ project as part of the process of environmental impact assessments.

Environmental Technician—COSTECAM*

- Environmental consulting & compliance in the telecommunications sector
- On-site field inspections and compliance reports
- Environmental Compliance Reports & Audits
- Coordination and execution of field trips across various Provinces in Ecuador
- Process tracking, follow-ups, and monthly reunions with local and national environmental authorities
- Writing formal written responses and correction of non-compliance observations made by the environmental authority
- Participation in community approach and socialization regarding installation of cellular base towers in distant communities.

Tracey Evans

Experience

3/2018-Present, 4/2014-10/2015 — Long Island Environmental Assessment, Inc. (DBA Environment Assessment & Remediations) — Patchogue, NY

Scientist

- Assist with management of sites on behalf of the NYSDEC Spills and Hazardous Waste Division
- Validation, evaluation and reporting of field data and laboratory analytical data, which includes generating data usability summary reports (DUSR)
- Assist with research of site history, hydrogeological settings, and analyze recent and historical data to compose project summary reports
- Experienced groundwater collection methods in accordance with New York State Department of Environmental Conservation (NYSDEC) guidelines

Scientist (January 2014 – October 2015)

- Working knowledge of instruments utilized to purge groundwater such as peristaltic pumps, inertia pumps, and submersible pumps
- Completion and organization of paperwork, which includes Chains of Custody, labels, and work orders, to assist in the coordination and accurate execution of groundwater sampling events
- Transporting and sending samples to certified labs for analysis
- Field screening for classification and identification of waste chemicals at an inactive hazardous waste cleanup site utilizing a hazardous categorization kit (2011 version)
- Provided oversight and direction of sampling, grouping, staging, and lab packing of waste chemicals
- Utilization and calibration of multi-RAE four gas meter and photoionization detector
- Generate bid solicitations for subcontracted work
- Operation and maintenance of an on-site mobile laboratory
- Developed and refined data usability report procedures for ten analytical methods
- Reviews laboratory analytical reports and compiles data usability report packages

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10/2015-2/2018 — Montgomery College-Rockville Chemistry Department — Rockville, MD

Instructional Associate

- Operation and maintenance of an on-site instrumentation such as GC-FIDS, GC-MS, NMR, FTIR, Lab Quest units (1 and 2) and accessories
- Laboratory experiment set up, maintenance and shut down
- Assistance in faculty/student experimental design and implication
- Writing of standard operation procedures for laboratory operation
- Serving on hiring committee
- Oversee training and orientation of newly employees
- Assisting and reviewing laboratory experiment design for courses
- Overseeing compliance of safety rules and regulation during laboratory operations

9/2009-1/2014	Mak Laboratory School of Marine and Atmospheric Science Stony Brook University	Stony Brook, NY

Laboratory Manager

- Project design and application
- Organization of projects and field campaigns
- Operation, maintenance and calibration of specialized equipment such as gas chromatograph for mass spectrometry, flame ionization detector, proton transfer reaction time of flight mass spectrometer and carbon monoxide extraction apparatus
- Utilization of specialized laboratory equipment and software to process air samples, analyze and evaluate data and develop novel techniques to process samples
- Maintenance of laboratory including order supplies, replacements and organizing equipment repairs

Education/Training

May 2005 B.S Chemistry	State University of New York	Stony Brook, NY
August 2009 M.S. Atmospheric Science	State University of New York	Stony Brook, NY

Research

- Development of an O17 extraction system for ice cores (2009-2014)
- BEACHON-RoMBAS Field Campaign (Summer 2011)
- BEACHON-ROC Field Campaign, Mangrove VOCs production study (Summer 2011)
- VOCs and aerosol sampling apparatus design and implication for field sampling/Phyto VOCs and aerosol production over lake inlet study (Summer 2009)
- Thesis work at SUNY Stony Brook University: "The study o Biological Volatile Organic Compounds (VOCs) produced by the phytoplankton species Thalassiosira pseudonana (2005-2009)
- Undergraduate research at SUNY Old Westbury: Development of spectrofluorescence detection procedure for ammonium, determined at rate of reaction and order (2002-2005)
- Summer REU at Biological Process Development Facility (BPDF) at the University of Nebraska in the analytical laboratory to develop a procedure to detect and isolate Phenyl methyl sulfonyfluoride in protein samples (Summer 2004)

Training

- OSHA 40-hr HAZWOPER (29 CFR/OSHA 1910.120) (Completed 2/14)
- OSHA 8-hr HAZWOPER (29 CFR/OSHA 1910.120) (Renewal due 09/26)
- National Safety Council First Aid & CPR (Renewal due 06/26)
- Respirator trained and fit tested

Site-Specific Health and Safety Plan (HASP)

Project Title:

Soil Vapor Intrusion Work Plan

Location:

1101 Linwood St, Brooklyn, NY

Prepared For:

Woodmont Development Corp

LaBella Project No. 2260182

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0.0 HASP Acknowledgment

All LaBella project personnel, contractors, and subcontractors are required to sign the following agreement prior to conducting work:

1. I have read and fully understand the requirements of this site-specific HASP including my individual responsibilities listed above.

2. I agree to abide by the provisions of the HASP and participate in any health and safety meetings or modifications to the HASP criteria during the implementation of work.

Name	Company	Date

1.0 Introduction

The purpose of this Health and Safety Plan (HASP) is to provide guidelines for responding to potential health and safety issues that may be encountered at the project site, located at 1101 Lindwood St This HASP only reflects the policies of LaBella Associates D.P.C. and its affiliated companies LaBella Environmental, LLC, Inc., referred to as "LaBella". The requirements of this HASP are applicable to all approved LaBella personnel at the work site. This document's project specifications are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any federal, state or local regulatory requirements.

2.0 Responsibilities

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel and their authorized visitors specific to this project. The Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of LaBella employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 Daily Pre-Job Safety Meetings

Prior to the beginning of work each day the Field Supervisor/Foreman or on-site Project Manager will review upcoming daily job requirements, anticipated hazards and hazard control measures with the project team members. At this meeting information such as personal protective equipment, site conditions, emergency procedures, and other applicable topics may be addressed. A copy of the **Daily Pre-Job Safety Tailgate/Toolbox Meeting Form** is attached to this HASP.

4.0 Site Information

Project Name:	Soil Vapor Intrusion Work Plan
LaBella Project No.:	2260182
Project Location:	1101 Linwood St, Brooklyn NY, 11239
Current Use of Project Location:	Commercial/Industrial Self-Storage Facility
Uses of Surrounding Areas (Res Vacant Land, Commercial, etc.):	Commercial/Industrial
Proposed Date(s) of Field Activity - Start:	2025-11-24
Proposed Date(s) of Field Activity - End:	2025-12-29

5.0 Scope of Work

The proposed field work covered under this HASP includes the following:

- Indoor air and outdoor ambient air sampling. Sub-slab soil vapor sampling from existing vapor probes.

6.0 Emergency Information

The personnel and emergency response contacts associated with the proposed scope of work are presented below and are to be posted onsite during all field activities. The Site Safety Officer (SSO) is the primary authority for directing site operations and relaying communications under emergency conditions. During the SSO's absence, the Project Manager or Site Supervisor will lead emergency operations.

Project Personnel		
Contact	**Name**	**Phone**
LaBella Project Manager	Brice Lynch	516-967-2515
Labella Site Supervisor	Brice Lynch	516-967-2515
Corporate Safety Manager	Catherine Monian	845-486-1557
Environmental Division Safety Program Manager	Tim Ruddy	315-440-5125
Site Safety Officer	Wilson Corella	718-669-2774
Site Contact	Benjamin Alcorn	917-952-2959
Human Resources	Shameka McDuffie	518-439-8235
Emergency Personnel including Police and Fire Dept and Ambulance – Dial 911		
Hospital- *see Hospital Route Section below for directions*	Brookdale Family Care Center	718-240-8600
Poison Control		800-336-6997
NYSDEC Spill Response Hotline		800-457-7362

First Aid

A First Aid Kit will be located as follows: The injured person may be transported to a trained medical center for further examination and treatment. The preferred transport method is a professional emergency transportation service; however, if this option is not readily available or would result in excessive delay, other transport is authorized.

Under no circumstances should an injured person transport themselves to a medical facility for treatment, no matter how minor the injury may appear.

Incident Reporting

Employees shall report all incidents and injuries to their supervisor as soon as possible, including those involving employees operating vehicles and other equipment. All reporting procedures contained in LaBella Safety Policy 1.22 must be followed.

During emergencies employees should seek medical care immediately. When contacting their Supervisor/Safety Manager/HR, employees should discuss medical care options. If an employee is asked by medical personnel for a worker's compensation number they should tell them that LaBella should be billed directly.

When emergency medical care is not imminent, employees shall immediately report events to their immediate Supervisor, the Safety Manager and Human Resources, and participate in the investigation process as well as the corrective action process, as needed. An Accident-Incident-Near Miss-Hazard Form must be submitted online or by e-mail to the Supervisor, Safety Manager and HR as soon as possible but no later than 24 hours after the event. The Form can be found on LaBella's intranet under "Operations".

7.0 Potential Health and Safety Hazards and Controls

This section lists potential health and safety hazards that project personnel may encounter at the project site and actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for site safety and their instructions must be followed.

Physical Hazards		
Work Action or Condition	**Potential Safety Hazard**	**Controls (including PPE)**
Cold Weather	Frost nip, Frost bite, Hypothermia	Engineering: • Basic wind block

		• Heated shelter • Barriers or insulation placed on metal surfaces to reduce heat loss from extremities Administrative: It is recommended that multiple vehicles be utilized during periods of extreme cold unless a warm shelter is within reasonable proximity to the work site. Number of vehicles depends on number of employees. Warm liquids should be considered to combat dehydration and to manage core temperatures. Note that caffeinated beverages will lessen circulation and are discouraged. Adequate Breaks - Break periods will be at least ten (10) minutes long. While on break personnel should remove outer layers of clothing to ensure adequate warming of the core and extremities. Individuals should assess their physical condition during breaks. Do not return to work in the cold until adequately warmed. If engineering controls, such as shelters are used, the ambient temperature/wind chill where the work is taking place will be used to determine the work / warm–up schedule. Personal Protective Equipment: The outer layer of clothing must be fire retardant. • The outer most layers should consist of winter clothing (i.e. bibs, bomber or parka, head sock, winter /arctic boots). • Under layers (insulation) should consist of one or more thin garments. Outer winter layers should be removed prior to insulation layers becoming wet with perspiration. • Wet clothing should not be worn. A best practice is to bring extra insulating clothing and change clothes if they become wet. • PPE that is in direct contact with the skin should be changed if it becomes wet. • Exposed skin shall be avoided in extreme cold temperatures to minimize the risk of frostbite. • Hand / foot warmers are available on all sites.
Slip-Trip-Fall	Injury	• Reduce and avoid slippery (wet, icy, oily, muddy, etc.) surfaces. • Workers will watch where they step and wear proper footwear. • Keep work areas free of obstructions and debris.

Biological and Environmental Hazards		
Work Action or Condition	**Potential Safety Hazard**	**Controls (including PPE)**
Allergens	Allergic reaction	Common workplace allergens like dust mites, mold, pollen, fungi, and metal can trigger a dangerous reaction. The following hazard control measures will be applied: • Take medication (i.e. anti-histamine) to minimize allergic reaction to pollen or other allergen as directed by your medical care practitioner, and bring it with you in the field. • Wear a dust mask, if necessary.

Individual Contaminant Hazards			
Chemical	**OSHA Permissible Exposure Limit (PEL)/ NIOSH Recommended Exposure Limit (REL) or Immediately dangerous to life or health air concentration values (IDLH)**	**Routes of Exposure**	**Symptoms of Overexposure**
Trichloroethylene (VOC)	**TWA: 50 ppm 270 mg/m3 Ceiling: 200 ppm STEL: 200 ppm NIOSH REL/IDLH: IDLH: 1000 ppm**	The substance can be absorbed into the body by inhalation and by ingestion.	dizziness, headaches, sleepiness, confusion, nausea, unconsciousness
Tetrachloroethane (VOC)	**REL: TWA 10 ppm (60 mg/m3) ST 20 ppm (120 mg/m3)**	inhalation, skin absorption, ingestion, skin and/or eye contact	nausea, vomiting, abdominal pain; tremor fingers

8.0 Personal Protective Equipment (PPE)

All site workers will have appropriate training as identified in Section 7.0. Training includes the identification of PPE necessary for various tasks; how to don, doff, adjust, and wear PPE; limitations of PPE; and proper care, inspection, testing, maintenance, useful life, storage, and disposal of the PPE. PPE will be inspected on a regular basis.

Level D: A work uniform affording minimal protection, used for nuisance contamination, only.	• Coveralls or long-sleeves and pants • Gloves • Nitrile sampling gloves (as needed) • Boots/shoes, chemical-resistant steel toe and shank • Safety glasses or chemical splash goggles • Hard hat

9.0 Employee Training

All workers and other personnel shall receive appropriate training prior to engaging in site activities. All workers must recognize and understand the potential hazards to health and safety that are associated with the proposed scope of work and must be thoroughly familiar with programs and procedures contained in this Safety Plan.

The following training levels were determined to be needed:

- OSHA 40 Hour - HAZWOPER

10.0 Exposure Monitoring

No - VOC Exposure Monitoring not required or applicable

11.0 Site Control

No - Contaminant Exclusion or Reduction zone not required or applicable at the site.

12.0 Recordkeeping

An electronic or hardcopy version of this HASP will be present at the Site during all field work activities. Copies of field logs, including daily pre-job safety meeting logs, will be filed by LaBella and available for the duration of the project.

Employees will be able to provide physical or electronic copies of required training certificates.

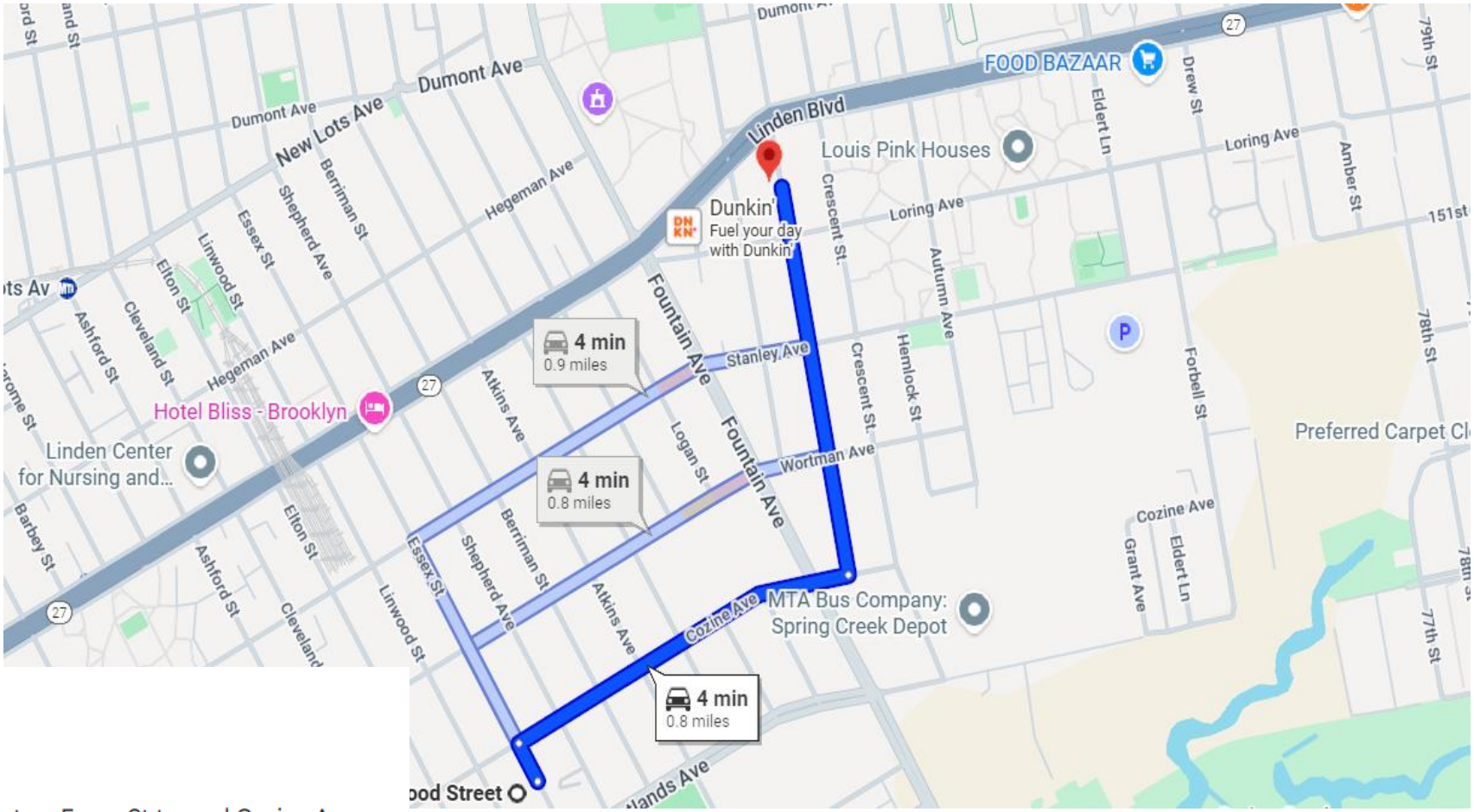
Incident reporting will be completed in accordance with LaBella policies.

APPENDIX A

Directions to Nearest Medical Facility

Brookdale University Hospital Medical -
2554 Linden Blvd, Brooklyn, NY 11208

Hospital Route



1101 Linwood St
Brooklyn, NY 11239

↑ Head northwest on Essex St toward Cozine Ave

217 ft

↱ Turn right at the 1st cross street onto Cozine Ave

0.4 mi

↰ Turn left onto Pine St

ⓘ Destination will be on the left

0.4 mi

Brookdale Family Care Center - Linden
2554 Linden Blvd, Brooklyn, NY 11208

APPENDIX B

Task Hazard Analysis Forms

6.03 Task hazard analysis (THA) and Personal Protective Equipment (PPE) Hazard assessment and certification Form

GENERAL INFORMATION					
THA Title or Work Activity:	**Risk Level:**	**Division and Project #:**	**Date:**	**Revised Date:**	**THA ID#:**

PREPARATION SIGN OFF				
Person Preparing THA:	**Position / Title:**	**Person Assisting with THA:**	**Position / Title:**	**Notes:**
Reviewer w/Relevant Task Experience:	**Position / Title:**	**Safety Manager Name (for High/V. High Risk):**	**Signature:**	

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT

Put X in box for items needed.

Head:		**Hand:**		**Respiratory;**		**Safety Vest/Reflective Gear:**		**Fall Protection Gear:**	**ARC**	**FR**
Hard Hat		Latex Gloves		Filtering Face Piece *(e.g N95)*		Safety Vest Type II		Harness with		
Safety Helmet		Nitrile Gloves		Half-Face Respirator		Safety Vest Type III		Trauma Relief Strap		
Type I		Work Gloves		Full-Face Respirator		Safety Vest -Tear Away		Lanyard		
Type II		Kevlar Gloves				Reflective Pants		**ARC or FR Gear*: CAT2 (8 calorie/cm2):**		
Minimum LBA head protection is Type I, Class E		Voltage rated insulated gloves		Respirator Cartridge Type		**Body:**		Shirt		
Eyes:		Leather glove protectores		Dust, fumes, mists		Coveralls		Pants		
Safety Glasses		*NOTE: Above two items are ONLY to be*		Organic Vapors		Apron		Coveralls		
Safety Goggles		*used by designated Qualified staff*		Acid gas		Tyvex		Neck Gaiter		
Face Shield (Wire Mesh)		**Feet:**		Ammonia Gas		Kevlar Chaps		Hard hat Liner		
Face Shield (Polycarbonate)		Workboots		Radioactive Materials				Rain Jacket		
Hearing:		Safety Toe Boots		**Other:**		**Other:**		Safety Vest		
Ear Plugs		Microspikes						*Note: All ARC gear is FR-rated BUT not all*		
Ear Muffs								*FR gear is ARC-rated.*		
						ALL work requiring PPE above CAT2 requires Corporate Safety Manager approval.				

TASK HAZARD ANALYSIS			
Sequence of Steps:	**Materials, Equipment & Tools Needed:**	**Potential Hazards:**	**Recommended Control Measures/PPE/ Training:**
On-site edits:			

RISK ASSESSMENT CODES			
Likelihood of Harm (People, Environment, Facility)	**Severity of Harm/Consequences** (People, Environment, Facility, Supply Chain Disruption, Brand Impact)		
	Slight Harm	**Moderate Harm**	**Extreme Harm**
Very Unlikely	Very Low Risk	Very Low Risk	High Risk
Unlikely	Very Low Risk	Medium Risk	Very High Risk
Likely	Low Risk	Medium Risk	Very High Risk
Very Likely	Low Risk	High Risk	Very High Risk

Definitions

Likelihood of Harm Categories:

-Very Unlikely: Will not occur except in rare instances under certain conditions

-Unlikely: Typically would not occur

-Likely: May occur on a regular basis

-Very Likely: Will occur in most instances

Severity of Harm Categories:

-Slight harm: Only first aid required

-Moderate harm: Injury or illness resulting in inability to work for a short period of time

-Extreme harm: Death or serious injury or illness resulting in inability to work indefinitely

ACKNOWLEDGEMENT OF THA/PPE ASSESSMENT REVIEW

Name	Signature	Company	Date

APPENDIX C

Safety Data Sheets

Safety Data Sheet Digital Library for Reference

APPENDIX D

Daily Tailgate Safety Meeting Form

PRE JOB SAFETY TAILGATE/TOOLBOX MEETING FORM

Date		Time	
Location or Address		Temperature	
Project Number		Humidity	
Conducted by		Conditions	
Were all workers reminded that COVID is still prevalent and that appropriate measures should be taking to prevent infection of themselves and others?			Yes ☐ No ☐

911	**If 911 is unavailable at this location, please state the procedure for reporting emergencies** _____

List Safety Topic of Discussion and/or Any Specific Hazards for the Work Being Performed Today	
1	
2	
3	
4	
5	
6	
7	
List Control Measures for Each Specific Hazard Listed Above	
1	
2	
3	
4	
5	
6	
7	

PLEASE SIGN THE BACK OF THIS SHEET

The presenter and all attendees shall print and sign in the appropriate areas on the back of this sheet

By signing, you declare that you understand the information presented in today's meeting, and that you have had the opportunity to ask questions and to clarify any uncertainty regarding such information.

All Visitors and Contractors Must Print Their Company Name

Name	Signature	Company

APPENDIX E

Incident Report Form

6.01 - Incident Report Form (Vehicle accidents, injuries, near misses, hazards, other)

Completed by Employee with Supervisor

This form should ONLY be completed if the electronicAccident/Incident/Near Miss/Hazard Fomron The Scope is NOT USED.
Complete all fields of this form. Be as specific as possible and include drawings, photos, additional narrative, as needed.

EMPLOYEE(S) INFORMATION

Person Submitting Form:	Name of Affected Employee:		Employee's Division & Supervisor:	
Employee's Job Title:	Employee's Home Office Location:		Type of Employment: ☐ Full-time ☐ Part-time ☐ Seasonal ☐ Temp	
Date of Hire:	SSN: (last 4 digits)	Date of Birth:	Gender:	Employee Phone Number:

INCIDENT TYPE AND RELATED INFORMATION

-An incident is an unwanted event that causes injury or illness to the body and/or involves damage to property, equipment, or the environment.

-A near-miss is an incident in which no property was damaged and no personal injury was sustained, but where given a slight shift in time or position,

-A hazard is an object or situation that has the potential to harm people or cause damage to property or the environment.

For IT equipment was stolen or damage - IMMEDIATELY submit the IT Incident Report on the Information Technology page of The Scope for security purposes.

Date of Incident:	Time of Incident:	Type of Incident: Vehicle Accident ☐ Injury ☐ Near Miss ☐ Hazard ☐ Other_____	Project Number:
Address of Incident:		Additional information Regarding Incident Location:	

Incident Description:

How did the incident happen? *(Describe step by step the events that led up to the event and site conditions, weather and tools. Document any immediate action taken to protect internal/external staff)*

Incident involved the following (check all that apply): ☐ Vehicles If Yes to Vehicle, list license Plate Number:

☐ Chemicals ☐ Environment ☐ Equipment ☐ Machines ☐ Property ☐ Tools ☐ Wildlife ☐ Electronic Equipment

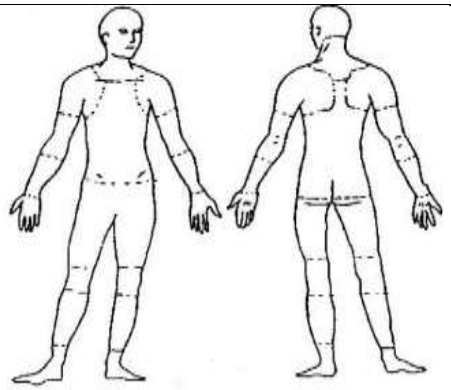
☐ Other (Describe):

Describe how the items above played a part in the incident and if they contributed to/resulted in injury:

Did property or equipment damage occur: ☐ Yes ☐ No	Approximate estimated value of damage:
Names of all involved persons:	Are Witness Statements attached (1/ witness)(see Safety Manual 1.22): Yes ☐ No ☐ Are photographs/images attached? ☐ Yes ☐ No

INJURY INFORMATION

Did this Incident involve an injury? ☐ Yes ☐ No If NO – Sign at bottom and provide to Supervisor, Safety Manager and HR.

Injured Employee Name:	Time Employee Began Work & Time of Injury:	Other:
Type of Injury (e.g. abrasion, bruise, burn, sprain, cut, etc):	Was PPE being used & what type: ☐ Yes ☐ No	
Was medical treatment provided? ☐ Yes ☐ No	Part of body affected: SHADE all that apply **or** LIST	
Was medicine prescribed? ☐ Yes ☐ No Type:		
Describe treatment:		
Hospital/Clinic & Dr Name:		
Is employee still being treated? ☐ Yes ☐ No		
Has employee returned to work? ☐ Yes ☐ No		
Was employee assigned: ☐ Restricted duty ☐ Job transfer ☐ Days Away from Work		

SIGNATURES

Employee Name (print):	Signature:	Date:
Supervisor's Name (print):	Signature:	Date:

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No._____

Purpose of Investigation_____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	_____
1st Floor	_____
2nd Floor	_____
3rd Floor	_____
4th Floor	_____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented?_____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented?_____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type?_____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.